

Why do we check color contrast in our print and web documents?

High contrast helps users distinguish between text and the background on which the text appears. Checking the color contrast in our documents ensures that people with some visual disabilities can read our PDFs.

Regarding accessibility compliance, the Web Content Accessibility Guidelines (WCAG) version 2.0 AA is the most-used standard worldwide. There are three levels of WCAG compliance; A, AA, and AAA. NOCE is required to comply with 2.0 AA standard, however, NOCE strives to reach WCAG 2.1 AAA: Optimal compliance.

Tools can test for the proper contrast ratio of 4.5:1 provided between the text (foreground) and its background.

WebAIM provided a free contrast checker online: <https://webaim.org/resources/contrastchecker/>

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NOCE Dark Blue Text:

Passing Background Contrast with NOCE Colors: (White & Yellow)

✓ Dark blue text on a white background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #005D83
Background Color: #FFFFFF

Contrast Ratio: **7.25:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✓ Dark blue text on NOCE yellow background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #005D83
Background Color: #FFD700

Contrast Ratio: **5.22:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Failing Background Contrast with NOCE Colors: (Light blue, black, green, orange, grey)

✗ Dark blue text on NOCE light blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #005D83
Background Color: #39AFC7

Contrast Ratio: **2.8:1**

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Dark blue text on black background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#005D83
Lightness

Background Color
#000000
Lightness

Contrast Ratio
2.89:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Dark blue text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#005D83
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
4.22:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Dark blue text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#005D83
Lightness

Background Color
#FA8D29
Lightness

Contrast Ratio
3.07:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Dark blue text on NOCE grey background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #005DB3
Background Color: #646469

Contrast Ratio: 1.23:1

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Graphical Objects and User Interface Components
WCAG AA: **Fail**

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

NOCE Light Blue Text:

Passing Background Contrast with NOCE Colors: (Just black)

✓ Light blue text on black background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #39AFC7
Background Color: #000000

Contrast Ratio: 8.13:1

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**

Graphical Objects and User Interface Components
WCAG AA: **Pass**

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Failing Background Contrast with NOCE Colors: (White, dark blue, yellow, green, orange, grey)

X Light blue text on a white background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #39AFC7
Background Color: #FFFFFF

Contrast Ratio: 2.58:1

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Graphical Objects and User Interface Components
WCAG AA: **Fail**

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Light blue text on NOCE dark blue background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#39AFC7
Lightness

Background Color
#005D83
Lightness

Contrast Ratio
2.8:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Light blue text on NOCE yellow background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#39AFC7
Lightness

Background Color
#FFD758
Lightness

Contrast Ratio
1.85:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Light blue text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#39AFC7
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
1.5:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Light blue text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #39AFC7
Background Color: #FABD29

Contrast Ratio: 1.09:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Light blue text on NOCE grey background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #39AFC7
Background Color: #646469

Contrast Ratio: 2.27:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

NOCE Yellow Text:

Passing Background Contrast with NOCE Colors: (Black & Dark blue)

✓ Yellow text on a black background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #FFD756
Background Color: #000000

Contrast Ratio: 15.1:1

[permalink](#)

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✓ Yellow text on a NOCE dark blue background (PARTIAL APPROVAL only use Bold Text)

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FFD756
Background Color: #005D83

Contrast Ratio: **5.22:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Fail**

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**

Graphical Objects and User Interface Components
WCAG AA: **Pass**

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Failing Background Contrast with NOCE Colors: (White, light blue, green, orange, grey)

✗ Yellow text on a white background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FFD756
Background Color: #FFFFFF

Contrast Ratio: **1.39:1**

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Graphical Objects and User Interface Components
WCAG AA: **Fail**

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✗ Yellow text on NOCE light blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FFD756
Background Color: #39AFC7

Contrast Ratio: **1.85:1**

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**

Graphical Objects and User Interface Components
WCAG AA: **Fail**

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Yellow text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFD756
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
1.23:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Yellow text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFD756
Lightness

Background Color
#FA8D29
Lightness

Contrast Ratio
1.69:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Yellow text on NOCE grey background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFD756
Lightness

Background Color
#646469
Lightness

Contrast Ratio
4.23:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

NOCE Orange Text:

Passing Background Contrast with NOCE Colors: (Just black)

✓ Orange text on a black background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FA8D29

Background Color: #000000

Contrast Ratio: 8.9:1

Normal Text

WCAG AA: Pass

WCAG AAA: Pass

Large Text

WCAG AA: Pass

WCAG AAA: Pass

Graphical Objects and User Interface Components

WCAG AA: Pass

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Failing Background Contrast with NOCE Colors: (White, dark blue, light blue, yellow, green, grey)

X Orange text on a white background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FA8D29

Background Color: #FFFFFF

Contrast Ratio: 2.35:1

Normal Text

WCAG AA: Fail

WCAG AAA: Fail

Large Text

WCAG AA: Fail

WCAG AAA: Fail

Graphical Objects and User Interface Components

WCAG AA: Fail

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Orange text on NOCE dark blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #FA8D29

Background Color: #005DB3

Contrast Ratio: 3.07:1

Normal Text

WCAG AA: Fail

WCAG AAA: Fail

Large Text

WCAG AA: Pass

WCAG AAA: Fail

Graphical Objects and User Interface Components

WCAG AA: Pass

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Orange text on NOCE light blue background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FABD29
Lightness

Background Color
#39AFC7
Lightness

Contrast Ratio
1.09:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Orange text on NOCE yellow background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FABD29
Lightness

Background Color
#FFD756
Lightness

Contrast Ratio
1.69:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Orange text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FA8D29
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
1.37:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Orange text on NOCE grey background

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #FABD29
Background Color: #646469

Contrast Ratio: 2.49:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail

Large Text
WCAG AA: Fail
WCAG AAA: Fail

Graphical Objects and User Interface Components
WCAG AA: Fail

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

NOCE Green Text:

Passing Background Contrast with NOCE Colors: (Just black)

✓ Green text on a black background

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #A3D55D
Background Color: #000000

Contrast Ratio: 12.23:1

Normal Text
WCAG AA: Pass
WCAG AAA: Pass

Large Text
WCAG AA: Pass
WCAG AAA: Pass

Graphical Objects and User Interface Components
WCAG AA: Pass

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

Failing Background Contrast with NOCE Colors: (White, dark blue, light blue, yellow, orange, grey)

X Green text on a white background

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #A3D55D
Background Color: #FFFFFF

Contrast Ratio: 1.71:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail

Large Text
WCAG AA: Fail
WCAG AAA: Fail

Graphical Objects and User Interface Components
WCAG AA: Fail

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

X Green text on NOCE dark blue background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#A3D55D 
Lightness 

Background Color
#005D83 
Lightness 

Contrast Ratio
4.22:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input 

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Green text on NOCE light blue background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#A3D55D 
Lightness 

Background Color
#39AFC7 
Lightness 

Contrast Ratio
1.5:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input 

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Green text on NOCE yellow background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#A3D55D 
Lightness 

Background Color
#FFD756 
Lightness 

Contrast Ratio
1.23:1

[permalink](#)

Normal Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**
WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input 

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Green text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Foreground Color: #A3D55D

Background Color: #FA8D29

Contrast Ratio: 1.37:1

[permalink](#)

Normal Text

WCAG AA: **Fail**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Fail**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Fail**

Text Input

X Green text on NOCE grey background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Foreground Color: #A3D55D

Background Color: #646469

Contrast Ratio: 3.42:1

[permalink](#)

Normal Text

WCAG AA: **Fail**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

NOCE Grey Text:

Passing Background Contrast with NOCE Colors: (Just white)

✓ Grey text on a white background (Partial Pass only with Bold Text)

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Foreground Color: #646469

Background Color: #FFFFFF

Contrast Ratio: 5.88:1

[permalink](#)

Normal Text

WCAG AA: **Pass**

WCAG AAA: **Fail**

The five boxing wizards jump quickly.

Large Text

WCAG AA: **Pass**

WCAG AAA: **Pass**

The five boxing wizards jump quickly.

Graphical Objects and User Interface Components

WCAG AA: **Pass**

Text Input

Failing Background Contrast with NOCE Colors: (Black, dark blue, light blue, yellow, orange, green)

X Grey text on a black background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #646469
Background Color: #000000

Contrast Ratio: 3.56:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail

Large Text
WCAG AA: Pass
WCAG AAA: Fail

Graphical Objects and User Interface Components
WCAG AA: Pass

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Grey text on NOCE dark blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #646469
Background Color: #005D83

Contrast Ratio: 1.23:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail

Large Text
WCAG AA: Fail
WCAG AAA: Fail

Graphical Objects and User Interface Components
WCAG AA: Fail

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Grey text on NOCE light blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #646469
Background Color: #39AFC7

Contrast Ratio: 2.27:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail

Large Text
WCAG AA: Fail
WCAG AAA: Fail

Graphical Objects and User Interface Components
WCAG AA: Fail

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Grey text on NOCE yellow background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#646469
Lightness

Background Color
#FFD75E
Lightness

Contrast Ratio
4.23:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Grey text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#646469
Lightness

Background Color
#FA8D29
Lightness

Contrast Ratio
2.49:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X Green text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#646469
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
3.42:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

Regular Black Text:

Passing Background Contrast with NOCE Colors: (Light blue, yellow, orange, green)

✓ Black text on NOCE light blue background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #000000
Background Color: #39AFC7

Contrast Ratio: **8.13:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✓ Black text on NOCE yellow background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #000000
Background Color: #FFD700

Contrast Ratio: **15.1:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✓ Black text on NOCE orange background

Contrast Checker

Home > Resources > Contrast Checker

Foreground Color: #000000
Background Color: #FA8D29

Contrast Ratio: **8.9:1**

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

✓ Black text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #000000
Background Color: #A3D55D

Contrast Ratio: **12.23:1**

[permalink](#)

Normal Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Pass**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Failing Background Contrast with NOCE Colors: (Dark blue & Grey)

X Black text on NOCE dark blue background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #000000
Background Color: #005D83

Contrast Ratio: **2.89:1**

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

X Black text on NOCE grey background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color: #000000
Background Color: #646469

Contrast Ratio: **3.56:1**

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Pass**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Pass**
Text Input

Related Resources

- Contrast and Color Accessibility
- Quick Reference: Testing Web Content for Accessibility
- Web Accessibility for Designers
- Link Contrast Checker

Regular White Text:

Passing Background Contrast with NOCE Colors: (Dark blue & Grey)

✓ White text on NOCE dark blue background

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #FFFFFF
Background Color: #005D83

Contrast Ratio: 7.25:1

Normal Text
WCAG AA: Pass
WCAG AAA: Pass
The five boxing wizards jump quickly.

Large Text
WCAG AA: Pass
WCAG AAA: Pass
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: Pass
Text Input

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

✓ White text on NOCE grey background (Partial Pass only use with bold text)

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #FFFFFF
Background Color: #646469

Contrast Ratio: 5.88:1

Normal Text
WCAG AA: Pass
WCAG AAA: Fail
The five boxing wizards jump quickly.

Large Text
WCAG AA: Pass
WCAG AAA: Pass
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: Pass
Text Input

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

Failing Background Contrast with NOCE Colors: (Light blue, yellow, green, orange)

X White text on NOCE light blue background

Contrast Checker
Home > Resources > Contrast Checker

Foreground Color: #FFFFFF
Background Color: #39AFC7

Contrast Ratio: 2.58:1

Normal Text
WCAG AA: Fail
WCAG AAA: Fail
The five boxing wizards jump quickly.

Large Text
WCAG AA: Fail
WCAG AAA: Fail
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: Fail
Text Input

Related Resources:
• Contrast and Color Accessibility
• Quick Reference: Testing Web Content for Accessibility
• Web Accessibility for Designers
• Link Contrast Checker

X White text on NOCE yellow background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFFFFF
Lightness

Background Color
#FFD756
Lightness

Contrast Ratio
1.39:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X White text on NOCE green background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFFFFF
Lightness

Background Color
#A3D55D
Lightness

Contrast Ratio
1.71:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)

X White text on NOCE orange background

Contrast Checker

[Home](#) > [Resources](#) > Contrast Checker

Foreground Color
#FFFFFF
Lightness

Background Color
#FA8D29
Lightness

Contrast Ratio
2.35:1

[permalink](#)

Normal Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Large Text
WCAG AA: **Fail**
WCAG AAA: **Fail**
The five boxing wizards jump quickly.

Graphical Objects and User Interface Components
WCAG AA: **Fail**
Text Input

Related Resources

- [Contrast and Color Accessibility](#)
- [Quick Reference: Testing Web Content for Accessibility](#)
- [Web Accessibility for Designers](#)
- [Link Contrast Checker](#)