

Converting Colors - WCAG Matrix

Web Content Accessibility Guidelines (WCAG) 2.0 - Color Matrix.

Hex(495F5F) Hex(727A7A) Hex(495F49) Hex(383D3D) Hex(BDBDBD) Hex(3D3D3D)

	Hex(495F5F)	Hex(727A7A)	Hex(495F49)	Hex(383D3D)	Hex(BDBDBD)	Hex(3D3D3D)
Hex(495F5F)		Ratio: 1.55 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(727A7A)	Ratio: 1.55 Failed ⁵		Ratio: 1.58 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(495F49)	Ratio: 1.02 Failed ⁵	Ratio: 1.58 Failed ⁵		Ratio: 1.59 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 1.56 Failed ⁵
Hex(383D3D)	Ratio: 1.62 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 1.59 Failed ⁵		Ratio: 5.87 AA ¹ AAA 18pt ⁴	Ratio: 1.02 Failed ⁵
Hex(BDBDBD)	Ratio: 3.62 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.87 AA ¹ AAA 18pt ⁴		Ratio: 5.78 AA ¹ AAA 18pt ⁴
Hex(3D3D3D)	Ratio: 1.60 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 5.78 AA ¹ AAA 18pt ⁴	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

¹ AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

² AA 18pt

AA level for large text above 18pt.

³ AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

⁴ AAA 18pt

AAA level for large text above 18pt.

⁵ Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

⁶ Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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