

Converting Colors - WCAG Matrix

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

Hex(827F7F) Hex(9C9999) Hex(B7B4B4) Hex(D3D0D0) Hex(EFECEC) Hex(FFFFFF)

Hex(827F7F)		Ratio: 1.40 Failed⁵	Ratio: 1.93 Failed⁵	Ratio: 2.59 Failed⁵	Ratio: 3.38 AA 18pt²
Hex(9C9999)	Ratio: 1.40 Failed⁵		Ratio: 1.37 Failed⁵	Ratio: 1.84 Failed⁵	Ratio: 2.41 Failed⁵
Hex(B7B4B4)	Ratio: 1.93 Failed⁵	Ratio: 1.37 Failed⁵		Ratio: 1.34 Failed⁵	Ratio: 1.75 Failed⁵
Hex(D3D0D0)	Ratio: 2.59 Failed⁵	Ratio: 1.84 Failed⁵	Ratio: 1.34 Failed⁵		Ratio: 1.30 Failed⁵
Hex(EFECEC)	Ratio: 3.38 AA 18pt²	Ratio: 2.41 Failed⁵	Ratio: 1.75 Failed⁵	Ratio: 1.30 Failed⁵	
Hex(FFFFFF)	Ratio: 3.97 AA 18pt²	Ratio: 2.83 Failed⁵	Ratio: 2.06 Failed⁵	Ratio: 1.53 Failed⁵	Ratio: 1.17 Failed⁵

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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