

Converting Colors - WCAG Matrix

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

Hex(808080) Hex(999999) Hex(B4B4B4) Hex(D0D0D0) Hex(ECECEC) Hex(FFFFFF)

Hex(808080)		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.34 AA 18pt ²
Hex(999999)	Ratio: 1.39 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(B4B4B4)	Ratio: 1.90 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(D0D0D0)	Ratio: 2.56 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(ECECEC)	Ratio: 3.34 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵	
Hex(FFFFFF)	Ratio: 3.95 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.18 Failed ⁵

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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