

Converting Colors - WCAG Matrix

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

	Hex(EBEBEB)	Hex(CFCFCF)	Hex(B3B3B3)	Hex(999999)	Hex(7F7F7F)	Hex(666666)	Hex(4E4E4E)	Hex(373737)	Hex(222222)	Hex(0B0B0B)
Hex(EBEBEB)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.36 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 9.99 Passed ⁶	Ratio: 13.35 Passed ⁶	Ratio: 16.51 Passed ⁶
Hex(CFCFCF)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 3.69 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 12.63 Passed ⁶
Hex(B3B3B3)	Ratio: 1.76 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.59 Passed ⁶	Ratio: 9.39 Passed ⁶
Hex(999999)	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.18 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 6.91 AA ¹ AAA 18pt ⁴
Hex(7F7F7F)	Ratio: 3.36 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.97 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴
Hex(666666)	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.69 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(4E4E4E)	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.37 Failed ⁵
Hex(373737)	Ratio: 9.99 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.18 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.65 Failed ⁵
Hex(222222)	Ratio: 13.35 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 7.59 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.97 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(0B0B0B)	Ratio: 16.51 Passed ⁶	Ratio: 12.63 Passed ⁶	Ratio: 9.39 Passed ⁶	Ratio: 6.91 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.24 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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