

Converting Colors - WCAG Matrix

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

	Hex(262626)	Hex(3C3C3C)	Hex(535353)	Hex(6B6B6B)	Hex(848484)	Hex(9E9E9E)	Hex(B9B9B9)	Hex(D5D5D5)	Hex(F1F1F1)	Hex(FFFFFF)
Hex(262626)		Ratio: 1.37 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.71 Passed ⁶	Ratio: 10.31 Passed ⁶	Ratio: 13.40 Passed ⁶	Ratio: 15.13 Passed ⁶
Hex(3C3C3C)	Ratio: 1.37 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.95 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 11.03 Passed ⁶
Hex(535353)	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.87 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶
Hex(6B6B6B)	Ratio: 2.84 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 5.33 AA ¹ AAA 18pt ⁴
Hex(848484)	Ratio: 4.05 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.31 AA 18pt ²	Ratio: 3.74 AA 18pt ²
Hex(9E9E9E)	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.68 Failed ⁵
Hex(B9B9B9)	Ratio: 7.71 Passed ⁶	Ratio: 5.62 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.96 Failed ⁵
Hex(D5D5D5)	Ratio: 10.31 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.47 Failed ⁵
Hex(F1F1F1)	Ratio: 13.40 Passed ⁶	Ratio: 9.77 Passed ⁶	Ratio: 6.81 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(FFFFFF)	Ratio: 15.13 Passed ⁶	Ratio: 11.03 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.13 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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