

Converting Colors - WCAG Matrix

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

	Hex(B2B3B2)	Hex(979897)	Hex(7D7E7D)	Hex(646564)	Hex(4D4D4D)	Hex(363736)	Hex(212121)	Hex(090B09)	Hex(000000)
Hex(B2B3B2)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 9.39 Passed ⁶	Ratio: 9.98 Passed ⁶
Hex(979897)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 7.25 Passed ⁶
Hex(7D7E7D)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 5.15 AA ¹ AAA 18pt ⁴
Hex(646564)	Ratio: 2.78 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 3.59 AA 18pt ²
Hex(4D4D4D)	Ratio: 4.02 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.48 Failed ⁵
Hex(363736)	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(212121)	Ratio: 7.66 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(090B09)	Ratio: 9.39 Passed ⁶	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 9.98 Passed ⁶	Ratio: 7.25 Passed ⁶	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.06 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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