

Converting Colors - WCAG Matrix

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

	Hex(1E1F1F)	Hex(FFFFFF)	Hex(4A4B4B)	Hex(616362)	Hex(7A7B7B)	Hex(949595)	Hex(AEB0B0)	Hex(CACBCB)	Hex(E6E7E7)
Hex(1E1F1F)		Ratio: 16.52 Passed ⁶	Ratio: 1.89 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.89 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 7.58 Passed ⁶	Ratio: 10.16 Passed ⁶	Ratio: 13.34 Passed ⁶
Hex(FFFFFF)	Ratio: 16.52 Passed ⁶		Ratio: 8.75 Passed ⁶	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 3.00 AA 18pt ²	Ratio: 2.18 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(4A4B4B)	Ratio: 1.89 Failed ⁵	Ratio: 8.75 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶
Hex(616362)	Ratio: 2.73 Failed ⁵	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 4.89 AA ¹ AAA 18pt ⁴
Hex(7A7B7B)	Ratio: 3.89 AA 18pt ²	Ratio: 4.25 AA 18pt ²	Ratio: 2.06 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.43 AA 18pt ²
Hex(949595)	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.00 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(AEB0B0)	Ratio: 7.58 Passed ⁶	Ratio: 2.18 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(CACBCB)	Ratio: 10.16 Passed ⁶	Ratio: 1.63 Failed ⁵	Ratio: 5.38 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.31 Failed ⁵
Hex(E6E7E7)	Ratio: 13.34 Passed ⁶	Ratio: 1.24 Failed ⁵	Ratio: 7.06 Passed ⁶	Ratio: 4.89 AA ¹ AAA 18pt ⁴	Ratio: 3.43 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 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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