

Converting Colors - WCAG Matrix

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

	Hex(121211)	Hex(F2F2F0)	Hex(3C3C3B)	Hex(535352)	Hex(6B6B6A)	Hex(858583)	Hex(9F9F9D)	Hex(BABAB8)	Hex(D5D5D4)
Hex(121211)		Ratio: 16.72 Passed ⁶	Ratio: 1.70 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 12.76 Passed ⁶
Hex(F2F2F0)	Ratio: 16.72 Passed ⁶		Ratio: 9.85 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.37 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(3C3C3B)	Ratio: 1.70 Failed ⁵	Ratio: 9.85 Passed ⁶		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶
Hex(535352)	Ratio: 2.43 Failed ⁵	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 1.43 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴
Hex(6B6B6A)	Ratio: 3.51 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 2.07 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.63 AA 18pt ²
Hex(858583)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.30 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(9F9F9D)	Ratio: 7.07 Passed ⁶	Ratio: 2.37 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.81 Failed ⁵
Hex(BABAB8)	Ratio: 9.64 Passed ⁶	Ratio: 1.73 Failed ⁵	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵
Hex(D5D5D4)	Ratio: 12.76 Passed ⁶	Ratio: 1.31 Failed ⁵	Ratio: 7.52 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.32 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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