

Converting Colors - WCAG Matrix

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

	Hex(D6D6D4)	Hex(BABAB8)	Hex(9F9F9D)	Hex(858583)	Hex(6C6C6A)	Hex(545452)	Hex(3D3D3B)	Hex(272725)	Hex(121211)	Hex(000000)
Hex(D6D6D4)		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 10.28 Passed ⁶	Ratio: 12.88 Passed ⁶	Ratio: 14.43 Passed ⁶
Hex(BABAB8)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 10.80 Passed ⁶
Hex(9F9F9D)	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.07 Passed ⁶	Ratio: 7.92 Passed ⁶
Hex(858583)	Ratio: 2.54 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.05 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 5.68 AA ¹ AAA 18pt ⁴
Hex(6C6C6A)	Ratio: 3.62 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.56 AA 18pt ²	Ratio: 3.99 AA 18pt ²
Hex(545452)	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.77 Failed ⁵
Hex(3D3D3B)	Ratio: 7.48 Passed ⁶	Ratio: 5.60 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(272725)	Ratio: 10.28 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.05 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(121211)	Ratio: 12.88 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 7.07 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.56 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.12 Failed ⁵
Hex(000000)	Ratio: 14.43 Passed ⁶	Ratio: 10.80 Passed ⁶	Ratio: 7.92 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.12 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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