

Converting Colors - WCAG Matrix

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

	Hex(B5B3B0)	Hex(9A9895)	Hex(807E7B)	Hex(676562)	Hex(4F4D4B)	Hex(383734)	Hex(23211F)	Hex(0D0B06)	Hex(000000)
Hex(B5B3B0)		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.67 Passed ⁶	Ratio: 9.40 Passed ⁶	Ratio: 10.04 Passed ⁶
Hex(9A9895)	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶
Hex(807E7B)	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 5.19 AA ¹ AAA 18pt ⁴
Hex(676562)	Ratio: 2.78 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(4F4D4B)	Ratio: 4.02 AA 18pt ²	Ratio: 2.92 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.50 Failed ⁵
Hex(383734)	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(23211F)	Ratio: 7.67 Passed ⁶	Ratio: 5.58 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.31 Failed ⁵
Hex(0D0B06)	Ratio: 9.40 Passed ⁶	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.07 Failed ⁵
Hex(000000)	Ratio: 10.04 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.50 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.07 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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