

Converting Colors - WCAG Matrix

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

	Hex(999181)	Hex(7F7867)	Hex(665F4F)	Hex(4E4738)	Hex(373123)	Hex(211C0E)	Hex(030200)	Hex(000000)
Hex(999181)		Ratio: 1.40 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(7F7867)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴
Hex(665F4F)	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.31 AA 18pt ²
Hex(4E4738)	Ratio: 2.94 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.25 Failed ⁵	Ratio: 2.28 Failed ⁵
Hex(373123)	Ratio: 4.13 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(211C0E)	Ratio: 5.43 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(030200)	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.25 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.78 AA ¹ AAA 18pt ⁴	Ratio: 3.31 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.01 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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