

Converting Colors - WCAG Matrix

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

	Hex(A7C397)	Hex(8CA87D)	Hex(738D64)	Hex(5A744C)	Hex(425B35)	Hex(2B431F)	Hex(152D08)	Hex(001A00)	Hex(000000)
Hex(A7C397)		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.49 Passed ⁶	Ratio: 10.90 Passed ⁶
Hex(8CA87D)	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 8.01 Passed ⁶
Hex(738D64)	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 4.06 AA 18pt ²	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 5.72 AA ¹ AAA 18pt ⁴
Hex(5A744C)	Ratio: 2.70 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 4.04 AA 18pt ²
Hex(425B35)	Ratio: 3.92 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(2B431F)	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.93 Failed ⁵
Hex(152D08)	Ratio: 7.72 Passed ⁶	Ratio: 5.68 AA ¹ AAA 18pt ⁴	Ratio: 4.06 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.41 Failed ⁵
Hex(001A00)	Ratio: 9.49 Passed ⁶	Ratio: 6.98 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.15 Failed ⁵
Hex(000000)	Ratio: 10.90 Passed ⁶	Ratio: 8.01 Passed ⁶	Ratio: 5.72 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.15 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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