

Converting Colors - WCAG Matrix

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

	Hex(FFE6E5)	Hex(E2C9C9)	Hex(C6AEAE)	Hex(AB9393)	Hex(907A7A)	Hex(766161)	Hex(5D4949)	Hex(453233)	Hex(2F1D1E)	Hex(1C0404)
Hex(FFE6E5)		Ratio: 1.32 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 13.46 Passed ⁶	Ratio: 16.57 Passed ⁶
Hex(E2C9C9)	Ratio: 1.32 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.64 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 12.57 Passed ⁶
Hex(C6AEAE)	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 7.65 Passed ⁶	Ratio: 9.42 Passed ⁶
Hex(AB9393)	Ratio: 2.42 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 6.86 AA ¹ AAA 18pt ⁴
Hex(907A7A)	Ratio: 3.37 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴
Hex(766161)	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.68 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(5D4949)	Ratio: 7.04 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(453233)	Ratio: 10.08 Passed ⁶	Ratio: 7.64 Passed ⁶	Ratio: 5.73 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(2F1D1E)	Ratio: 13.46 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 7.65 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(1C0404)	Ratio: 16.57 Passed ⁶	Ratio: 12.57 Passed ⁶	Ratio: 9.42 Passed ⁶	Ratio: 6.86 AA ¹ AAA 18pt ⁴	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 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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