

Converting Colors - WCAG Matrix

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

	Hex(E2EBE2)	Hex(C6CFC6)	Hex(ABB3AB)	Hex(909990)	Hex(777F77)	Hex(5E665E)	Hex(464E46)	Hex(303730)	Hex(1B221B)	Hex(000B00)
Hex(E2EBE2)		Ratio: 1.31 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 7.06 Passed ⁶	Ratio: 10.04 Passed ⁶	Ratio: 13.33 Passed ⁶	Ratio: 16.43 Passed ⁶
Hex(C6CFC6)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.66 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 12.54 Passed ⁶
Hex(ABB3AB)	Ratio: 1.76 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 4.01 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.56 Passed ⁶	Ratio: 9.32 Passed ⁶
Hex(909990)	Ratio: 2.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 6.82 AA ¹ AAA 18pt ⁴
Hex(777F77)	Ratio: 3.38 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(5E665E)	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.38 AA 18pt ²
Hex(464E46)	Ratio: 7.06 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 4.01 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.33 Failed ⁵
Hex(303730)	Ratio: 10.04 Passed ⁶	Ratio: 7.66 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(1B221B)	Ratio: 13.33 Passed ⁶	Ratio: 10.18 Passed ⁶	Ratio: 7.56 Passed ⁶	Ratio: 5.53 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(000B00)	Ratio: 16.43 Passed ⁶	Ratio: 12.54 Passed ⁶	Ratio: 9.32 Passed ⁶	Ratio: 6.82 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²	Ratio: 2.33 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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