

Converting Colors - WCAG Matrix

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

	Hex(E6FFF5)	Hex(C9E2D8)	Hex(AEC6BD)	Hex(93ABA2)	Hex(799088)	Hex(60776E)	Hex(485E56)	Hex(32463F)	Hex(1C3029)	Hex(051B14)
Hex(E6FFF5)		Ratio: 1.30 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.25 AA 18pt ²	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 9.59 Passed ⁶	Ratio: 13.29 Passed ⁶	Ratio: 17.03 Passed ⁶
Hex(C9E2D8)	Ratio: 1.30 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 3.52 AA 18pt ²	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 7.37 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 13.08 Passed ⁶
Hex(AEC6BD)	Ratio: 1.72 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.90 Passed ⁶
Hex(93ABA2)	Ratio: 2.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.32 Passed ⁶
Hex(799088)	Ratio: 3.25 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.09 AA 18pt ²	Ratio: 5.25 AA ¹ AAA 18pt ⁴
Hex(60776E)	Ratio: 4.58 AA ¹ AAA 18pt ⁴	Ratio: 3.52 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.72 AA 18pt ²
Hex(485E56)	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 5.10 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(32463F)	Ratio: 9.59 Passed ⁶	Ratio: 7.37 Passed ⁶	Ratio: 5.57 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵
Hex(1C3029)	Ratio: 13.29 Passed ⁶	Ratio: 10.21 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.09 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.28 Failed ⁵
Hex(051B14)	Ratio: 17.03 Passed ⁶	Ratio: 13.08 Passed ⁶	Ratio: 9.90 Passed ⁶	Ratio: 7.32 Passed ⁶	Ratio: 5.25 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.28 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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