

Converting Colors - WCAG Matrix

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

	Hex(E3FFD9)	Hex(C7E2BD)	Hex(ABC6A2)	Hex(91AB88)	Hex(77906E)	Hex(5E7756)	Hex(465E3F)	Hex(2F4628)	Hex(193014)	Hex(001C00)
Hex(E3FFD9)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 3.26 AA 18pt ²	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 9.65 Passed ⁶	Ratio: 13.28 Passed ⁶	Ratio: 16.78 Passed ⁶
Hex(C7E2BD)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 7.42 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.90 Passed ⁶
Hex(ABC6A2)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.69 Passed ⁶	Ratio: 9.72 Passed ⁶
Hex(91AB88)	Ratio: 2.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶
Hex(77906E)	Ratio: 3.26 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.07 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴
Hex(5E7756)	Ratio: 4.61 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.67 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.64 AA 18pt ²
Hex(465E3F)	Ratio: 6.67 AA ¹ AAA 18pt ⁴	Ratio: 5.13 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.52 Failed ⁵
Hex(2F4628)	Ratio: 9.65 Passed ⁶	Ratio: 7.42 Passed ⁶	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(193014)	Ratio: 13.28 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 7.69 Passed ⁶	Ratio: 5.69 AA ¹ AAA 18pt ⁴	Ratio: 4.07 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(001C00)	Ratio: 16.78 Passed ⁶	Ratio: 12.90 Passed ⁶	Ratio: 9.72 Passed ⁶	Ratio: 7.19 Passed ⁶	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.26 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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