

Converting Colors - WCAG Matrix

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

	Hex(D6E3B5)	Hex(BAC79A)	Hex(9FAC80)	Hex(859266)	Hex(6B784E)	Hex(535F37)	Hex(3B4721)	Hex(25310B)	Hex(0E1C00)	Hex(000000)
Hex(D6E3B5)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.46 Failed ⁵	Ratio: 3.51 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 7.36 Passed ⁶	Ratio: 10.19 Passed ⁶	Ratio: 13.09 Passed ⁶	Ratio: 15.51 Passed ⁶
Hex(BAC79A)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.83 AA 18pt ²	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 7.70 Passed ⁶	Ratio: 9.90 Passed ⁶	Ratio: 11.72 Passed ⁶
Hex(9FAC80)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 4.12 AA 18pt ²	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 8.69 Passed ⁶
Hex(859266)	Ratio: 2.46 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 6.30 AA ¹ AAA 18pt ⁴
Hex(6B784E)	Ratio: 3.51 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.42 AA 18pt ²
Hex(535F37)	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.83 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.06 AA 18pt ²
Hex(3B4721)	Ratio: 7.36 Passed ⁶	Ratio: 5.56 AA ¹ AAA 18pt ⁴	Ratio: 4.12 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.11 Failed ⁵
Hex(25310B)	Ratio: 10.19 Passed ⁶	Ratio: 7.70 Passed ⁶	Ratio: 5.70 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.90 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.52 Failed ⁵
Hex(0E1C00)	Ratio: 13.09 Passed ⁶	Ratio: 9.90 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.32 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.18 Failed ⁵
Hex(000000)	Ratio: 15.51 Passed ⁶	Ratio: 11.72 Passed ⁶	Ratio: 8.69 Passed ⁶	Ratio: 6.30 AA ¹ AAA 18pt ⁴	Ratio: 4.42 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.11 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.18 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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