

Converting Colors - WCAG Matrix

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

	Hex(DCFECC)	Hex(C0E1B0)	Hex(A5C596)	Hex(8AAA7C)	Hex(708F63)	Hex(57764B)	Hex(3F5D33)	Hex(28451E)	Hex(122F06)	Hex(001B00)
Hex(DCFECC)		Ratio: 1.30 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 3.29 AA 18pt ²	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 9.74 Passed ⁶	Ratio: 13.30 Passed ⁶	Ratio: 16.50 Passed ⁶
Hex(C0E1B0)	Ratio: 1.30 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 7.47 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 12.65 Passed ⁶
Hex(A5C596)	Ratio: 1.73 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.90 AA 18pt ²	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 7.68 Passed ⁶	Ratio: 9.53 Passed ⁶
Hex(8AAA7C)	Ratio: 2.35 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶
Hex(708F63)	Ratio: 3.29 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.04 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴
Hex(57764B)	Ratio: 4.66 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.54 AA 18pt ²
Hex(3F5D33)	Ratio: 6.76 AA ¹ AAA 18pt ⁴	Ratio: 5.18 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(28451E)	Ratio: 9.74 Passed ⁶	Ratio: 7.47 Passed ⁶	Ratio: 5.63 AA ¹ AAA 18pt ⁴	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(122F06)	Ratio: 13.30 Passed ⁶	Ratio: 10.20 Passed ⁶	Ratio: 7.68 Passed ⁶	Ratio: 5.66 AA ¹ AAA 18pt ⁴	Ratio: 4.04 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.24 Failed ⁵
Hex(001B00)	Ratio: 16.50 Passed ⁶	Ratio: 12.65 Passed ⁶	Ratio: 9.53 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.24 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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