

Converting Colors - WCAG Matrix

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

	Hex(85BE7E)	Hex(6BA365)	Hex(51884C)	Hex(386F35)	Hex(1E561E)	Hex(003E07)	Hex(002800)	Hex(000C00)	Hex(000000)
Hex(85BE7E)		Ratio: 1.37 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 4.02 AA 18pt ²	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 7.41 Passed ⁶	Ratio: 9.18 Passed ⁶	Ratio: 9.66 Passed ⁶
Hex(6BA365)	Ratio: 1.37 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.93 Failed ⁵	Ratio: 4.17 AA 18pt ²	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 7.05 Passed ⁶
Hex(51884C)	Ratio: 1.94 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(386F35)	Ratio: 2.77 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.49 AA 18pt ²
Hex(1E561E)	Ratio: 4.02 AA 18pt ²	Ratio: 2.93 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.41 Failed ⁵
Hex(003E07)	Ratio: 5.71 AA ¹ AAA 18pt ⁴	Ratio: 4.17 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.69 Failed ⁵
Hex(002800)	Ratio: 7.41 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.30 Failed ⁵
Hex(000C00)	Ratio: 9.18 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.73 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000000)	Ratio: 9.66 Passed ⁶	Ratio: 7.05 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.05 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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