

Converting Colors - WCAG Matrix

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

	Hex(46E17E)	Hex(17C464)	Hex(00A84B)	Hex(008D32)	Hex(007219)	Hex(005800)	Hex(003F00)	Hex(002800)	Hex(000000)
Hex(46E17E)		Ratio: 1.35 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.60 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.46 Passed ⁶	Ratio: 12.33 Passed ⁶
Hex(17C464)	Ratio: 1.35 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 9.12 Passed ⁶
Hex(00A84B)	Ratio: 1.84 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.92 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(008D32)	Ratio: 2.54 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.73 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴
Hex(007219)	Ratio: 3.60 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.42 AA 18pt ²
Hex(005800)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(003F00)	Ratio: 7.21 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.92 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(002800)	Ratio: 9.46 Passed ⁶	Ratio: 6.99 AA ¹ AAA 18pt ⁴	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.73 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(000000)	Ratio: 12.33 Passed ⁶	Ratio: 9.12 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.42 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 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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