

Converting Colors - WCAG Matrix

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

	Hex(14F6A5)	Hex(00D98A)	Hex(00BC71)	Hex(00A058)	Hex(008540)	Hex(006A29)	Hex(005012)	Hex(003800)	Hex(001E00)	Hex(000000)
Hex(14F6A5)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.33 AA 18pt ²	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 9.42 Passed ⁶	Ratio: 12.44 Passed ⁶	Ratio: 14.76 Passed ⁶
Hex(00D98A)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.55 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 11.29 Passed ⁶
Hex(00BC71)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 7.11 Passed ⁶	Ratio: 8.43 Passed ⁶
Hex(00A058)	Ratio: 2.39 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 6.17 AA ¹ AAA 18pt ⁴
Hex(008540)	Ratio: 3.33 AA 18pt ²	Ratio: 2.55 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.74 AA 18pt ²	Ratio: 4.43 AA 18pt ²
Hex(006A29)	Ratio: 4.77 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.09 AA 18pt ²
Hex(005012)	Ratio: 6.84 AA ¹ AAA 18pt ⁴	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.16 Failed ⁵
Hex(003800)	Ratio: 9.42 Passed ⁶	Ratio: 7.21 Passed ⁶	Ratio: 5.39 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.57 Failed ⁵
Hex(001E00)	Ratio: 12.44 Passed ⁶	Ratio: 9.52 Passed ⁶	Ratio: 7.11 Passed ⁶	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.74 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.19 Failed ⁵
Hex(000000)	Ratio: 14.76 Passed ⁶	Ratio: 11.29 Passed ⁶	Ratio: 8.43 Passed ⁶	Ratio: 6.17 AA ¹ AAA 18pt ⁴	Ratio: 4.43 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.16 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.19 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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