

Converting Colors - WCAG Matrix

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

	Hex(66FFBF)	Hex(43E2A4)	Hex(0CC58A)	Hex(00A970)	Hex(008E57)	Hex(007340)	Hex(005A29)	Hex(004114)	Hex(002A00)	Hex(000600)
Hex(66FFBF)		Ratio: 1.31 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 9.41 Passed ⁶	Ratio: 12.49 Passed ⁶	Ratio: 16.20 Passed ⁶
Hex(43E2A4)	Ratio: 1.31 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 7.16 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 12.33 Passed ⁶
Hex(0CC58A)	Ratio: 1.77 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.66 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 7.04 Passed ⁶	Ratio: 9.13 Passed ⁶
Hex(00A970)	Ratio: 2.41 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.91 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴
Hex(008E57)	Ratio: 3.32 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 3.76 AA 18pt ²	Ratio: 4.88 AA ¹ AAA 18pt ⁴
Hex(007340)	Ratio: 4.71 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.66 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(005A29)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(004114)	Ratio: 9.41 Passed ⁶	Ratio: 7.16 Passed ⁶	Ratio: 5.30 AA ¹ AAA 18pt ⁴	Ratio: 3.91 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵
Hex(002A00)	Ratio: 12.49 Passed ⁶	Ratio: 9.51 Passed ⁶	Ratio: 7.04 Passed ⁶	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(000600)	Ratio: 16.20 Passed ⁶	Ratio: 12.33 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.88 AA ¹ AAA 18pt ⁴	Ratio: 3.44 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.72 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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