

Converting Colors - WCAG Matrix

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

	Hex(C3FFAD)	Hex(A7E292)	Hex(8CC678)	Hex(71AA5E)	Hex(579046)	Hex(3D762E)	Hex(235D16)	Hex(024500)	Hex(002E00)	Hex(001800)
Hex(C3FFAD)		Ratio: 1.31 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 9.83 Passed ⁶	Ratio: 13.11 Passed ⁶	Ratio: 16.12 Passed ⁶
Hex(A7E292)	Ratio: 1.31 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.64 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 12.33 Passed ⁶
Hex(8CC678)	Ratio: 1.74 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.95 AA 18pt ²	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 7.52 Passed ⁶	Ratio: 9.26 Passed ⁶
Hex(71AA5E)	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: 2.87 Failed ⁵	Ratio: 4.11 AA 18pt ²	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 6.73 AA ¹ AAA 18pt ⁴
Hex(579046)	Ratio: 3.32 AA 18pt ²	Ratio: 2.54 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 4.85 AA ¹ AAA 18pt ⁴
Hex(3D762E)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.39 AA 18pt ²
Hex(235D16)	Ratio: 6.88 AA ¹ AAA 18pt ⁴	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.95 AA 18pt ²	Ratio: 2.87 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(024500)	Ratio: 9.83 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.64 AA ¹ AAA 18pt ⁴	Ratio: 4.11 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.64 Failed ⁵
Hex(002E00)	Ratio: 13.11 Passed ⁶	Ratio: 10.02 Passed ⁶	Ratio: 7.52 Passed ⁶	Ratio: 5.47 AA ¹ AAA 18pt ⁴	Ratio: 3.94 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(001800)	Ratio: 16.12 Passed ⁶	Ratio: 12.33 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 6.73 AA ¹ AAA 18pt ⁴	Ratio: 4.85 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.23 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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