

Converting Colors - WCAG Matrix

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

	Hex(97FFCE)	Hex(7BE2B2)	Hex(5EC698)	Hex(41AA7E)	Hex(1E8F65)	Hex(00754D)	Hex(005C36)	Hex(004320)	Hex(002C0A)	Hex(001200)
Hex(97FFCE)		Ratio: 1.31 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.39 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 9.60 Passed ⁶	Ratio: 12.83 Passed ⁶	Ratio: 16.12 Passed ⁶
Hex(7BE2B2)	Ratio: 1.31 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.58 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 9.79 Passed ⁶	Ratio: 12.30 Passed ⁶
Hex(5EC698)	Ratio: 1.75 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.33 Passed ⁶	Ratio: 9.21 Passed ⁶
Hex(41AA7E)	Ratio: 2.41 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.82 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(1E8F65)	Ratio: 3.39 AA 18pt ²	Ratio: 2.58 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.79 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴
Hex(00754D)	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.36 AA 18pt ²
Hex(005C36)	Ratio: 6.78 AA ¹ AAA 18pt ⁴	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.82 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.38 Failed ⁵
Hex(004320)	Ratio: 9.60 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.84 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(002C0A)	Ratio: 12.83 Passed ⁶	Ratio: 9.79 Passed ⁶	Ratio: 7.33 Passed ⁶	Ratio: 5.33 AA ¹ AAA 18pt ⁴	Ratio: 3.79 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.26 Failed ⁵
Hex(001200)	Ratio: 16.12 Passed ⁶	Ratio: 12.30 Passed ⁶	Ratio: 9.21 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.38 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.26 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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