

Converting Colors - WCAG Matrix

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

	Hex(73A596)	Hex(598B7C)	Hex(407163)	Hex(28584B)	Hex(0E4135)	Hex(002A20)	Hex(001708)	Hex(000000)
Hex(73A596)		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.92 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶
Hex(598B7C)	Ratio: 1.40 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.00 AA 18pt ²	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 5.41 AA ¹ AAA 18pt ⁴
Hex(407163)	Ratio: 2.01 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.76 AA 18pt ²
Hex(28584B)	Ratio: 2.92 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.59 Failed ⁵
Hex(0E4135)	Ratio: 4.14 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.62 Failed ⁵	
Hex(002A20)	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.35 Failed ⁵
Hex(001708)	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.80 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 7.55 Passed ⁶	Ratio: 5.41 AA ¹ AAA 18pt ⁴	Ratio: 3.76 AA 18pt ²	Ratio: 2.59 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.13 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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