

Converting Colors - WCAG Matrix

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

Hex(156745) Hex(67877A) Hex(376715) Hex(31453D) Hex(C4C4C4) Hex(454545)

	Hex(156745)	Hex(67877A)	Hex(376715)	Hex(31453D)	Hex(C4C4C4)	Hex(454545)
Hex(156745)		Ratio: 1.74 Failed ⁵	Ratio: 1.02 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 3.94 AA 18pt ²	Ratio: 1.40 Failed ⁵
Hex(67877A)	Ratio: 1.74 Failed ⁵		Ratio: 1.71 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(376715)	Ratio: 1.02 Failed ⁵	Ratio: 1.71 Failed ⁵		Ratio: 1.52 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 1.42 Failed ⁵
Hex(31453D)	Ratio: 1.49 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 1.52 Failed ⁵		Ratio: 5.88 AA ¹ AAA 18pt ⁴	Ratio: 1.07 Failed ⁵
Hex(C4C4C4)	Ratio: 3.94 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.88 AA ¹ AAA 18pt ⁴		Ratio: 5.50 AA ¹ AAA 18pt ⁴
Hex(454545)	Ratio: 1.40 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 5.50 AA ¹ AAA 18pt ⁴	

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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