

Converting Colors - WCAG Matrix

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

	Hex(60ABF0)	Hex(3F91D4)	Hex(0E77B8)	Hex(005F9D)	Hex(004782)	Hex(003169)	Hex(001D50)	Hex(FFFFFF)
Hex(60ABF0)		Ratio: 1.38 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 2.45 Failed ⁵
Hex(3F91D4)	Ratio: 1.38 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.78 AA 18pt ²	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.38 AA 18pt ²
Hex(0E77B8)	Ratio: 1.97 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.37 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴
Hex(005F9D)	Ratio: 2.75 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(004782)	Ratio: 3.86 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 9.44 Passed ⁶
Hex(003169)	Ratio: 5.22 AA ¹ AAA 18pt ⁴	Ratio: 3.78 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 12.78 Passed ⁶
Hex(001D50)	Ratio: 6.64 AA ¹ AAA 18pt ⁴	Ratio: 4.81 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 16.26 Passed ⁶
Hex(FFFFFF)	Ratio: 2.45 Failed ⁵	Ratio: 3.38 AA 18pt ²	Ratio: 4.83 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 9.44 Passed ⁶	Ratio: 12.78 Passed ⁶	Ratio: 16.26 Passed ⁶	

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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