

Converting Colors - WCAG Matrix

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

	Hex(6FF6FF)	Hex(4DD9E2)	Hex(1FBDC6)	Hex(00A2AB)	Hex(008791)	Hex(006D77)	Hex(00555E)	Hex(003D47)	Hex(002730)	Hex(00021C)
Hex(6FF6FF)		Ratio: 1.32 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 9.27 Passed ⁶	Ratio: 12.23 Passed ⁶	Ratio: 15.90 Passed ⁶
Hex(4DD9E2)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.57 AA 18pt ²	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 12.03 Passed ⁶
Hex(1FBDC6)	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.72 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 8.93 Passed ⁶
Hex(00A2AB)	Ratio: 2.41 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.84 AA 18pt ²	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 6.59 AA ¹ AAA 18pt ⁴
Hex(008791)	Ratio: 3.34 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.75 AA ¹ AAA 18pt ⁴
Hex(006D77)	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.57 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.37 AA 18pt ²
Hex(00555E)	Ratio: 6.62 AA ¹ AAA 18pt ⁴	Ratio: 5.01 AA ¹ AAA 18pt ⁴	Ratio: 3.72 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.40 Failed ⁵
Hex(003D47)	Ratio: 9.27 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.84 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(002730)	Ratio: 12.23 Passed ⁶	Ratio: 9.26 Passed ⁶	Ratio: 6.87 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵
Hex(00021C)	Ratio: 15.90 Passed ⁶	Ratio: 12.03 Passed ⁶	Ratio: 8.93 Passed ⁶	Ratio: 6.59 AA ¹ AAA 18pt ⁴	Ratio: 4.75 AA ¹ AAA 18pt ⁴	Ratio: 3.37 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 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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