

Converting Colors - WCAG Matrix

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

	Hex(00D4FF)	Hex(00B8E2)	Hex(009DC6)	Hex(0082AB)	Hex(006990)	Hex(005176)	Hex(00395D)	Hex(002545)	Hex(00042F)	Hex(000119)
Hex(00D4FF)		Ratio: 1.32 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 8.78 Passed ⁶	Ratio: 11.21 Passed ⁶	Ratio: 11.65 Passed ⁶
Hex(00B8E2)	Ratio: 1.32 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 8.46 Passed ⁶	Ratio: 8.79 Passed ⁶
Hex(009DC6)	Ratio: 1.79 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴
Hex(0082AB)	Ratio: 2.48 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.54 AA 18pt ²	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴
Hex(006990)	Ratio: 3.46 AA 18pt ²	Ratio: 2.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 3.23 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(005176)	Ratio: 4.86 AA ¹ AAA 18pt ⁴	Ratio: 3.67 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(00395D)	Ratio: 6.80 AA ¹ AAA 18pt ⁴	Ratio: 5.14 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.71 Failed ⁵
Hex(002545)	Ratio: 8.78 Passed ⁶	Ratio: 6.63 AA ¹ AAA 18pt ⁴	Ratio: 4.92 AA ¹ AAA 18pt ⁴	Ratio: 3.54 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(00042F)	Ratio: 11.21 Passed ⁶	Ratio: 8.46 Passed ⁶	Ratio: 6.27 AA ¹ AAA 18pt ⁴	Ratio: 4.52 AA ¹ AAA 18pt ⁴	Ratio: 3.23 AA 18pt ²	Ratio: 2.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000119)	Ratio: 11.65 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.69 AA ¹ AAA 18pt ⁴	Ratio: 3.36 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.04 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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