

Converting Colors - WCAG Matrix

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

	Hex(3BEBFF)	Hex(00CEE2)	Hex(00B2C6)	Hex(0097AB)	Hex(007D90)	Hex(006377)	Hex(004B5E)	Hex(003346)	Hex(001E30)	Hex(00011B)
Hex(3BEBFF)		Ratio: 1.33 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 3.35 AA 18pt ²	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 9.29 Passed ⁶	Ratio: 11.81 Passed ⁶	Ratio: 14.23 Passed ⁶
Hex(00CEE2)	Ratio: 1.33 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.52 Failed ⁵	Ratio: 3.58 AA 18pt ²	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 7.00 Passed ⁶	Ratio: 8.90 Passed ⁶	Ratio: 10.71 Passed ⁶
Hex(00B2C6)	Ratio: 1.77 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.77 AA 18pt ²	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 8.02 Passed ⁶
Hex(0097AB)	Ratio: 2.41 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.77 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 5.90 AA ¹ AAA 18pt ⁴
Hex(007D90)	Ratio: 3.35 AA 18pt ²	Ratio: 2.52 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.25 AA 18pt ²
Hex(006377)	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.58 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.48 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(004B5E)	Ratio: 6.69 AA ¹ AAA 18pt ⁴	Ratio: 5.04 AA ¹ AAA 18pt ⁴	Ratio: 3.77 AA 18pt ²	Ratio: 2.77 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(003346)	Ratio: 9.29 Passed ⁶	Ratio: 7.00 Passed ⁶	Ratio: 5.24 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.53 Failed ⁵
Hex(001E30)	Ratio: 11.81 Passed ⁶	Ratio: 8.90 Passed ⁶	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.90 AA ¹ AAA 18pt ⁴	Ratio: 3.53 AA 18pt ²	Ratio: 2.48 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵
Hex(00011B)	Ratio: 14.23 Passed ⁶	Ratio: 10.71 Passed ⁶	Ratio: 8.02 Passed ⁶	Ratio: 5.90 AA ¹ AAA 18pt ⁴	Ratio: 4.25 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.20 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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