

Converting Colors - WCAG Matrix

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

	Hex(55BEDD)	Hex(32A3C1)	Hex(0088A6)	Hex(006F8B)	Hex(005672)	Hex(003F59)	Hex(002942)	Hex(00112C)	Hex(000116)	Hex(000000)
Hex(55BEDD)		Ratio: 1.37 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 8.77 Passed ⁶	Ratio: 9.64 Passed ⁶	Ratio: 9.80 Passed ⁶
Hex(32A3C1)	Ratio: 1.37 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.78 Failed ⁵	Ratio: 3.85 AA 18pt ²	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 7.03 Passed ⁶	Ratio: 7.14 Passed ⁶
Hex(0088A6)	Ratio: 1.93 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.63 AA 18pt ²	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 5.07 AA ¹ AAA 18pt ⁴
Hex(006F8B)	Ratio: 2.69 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.27 AA 18pt ²	Ratio: 3.59 AA 18pt ²	Ratio: 3.65 AA 18pt ²
Hex(005672)	Ratio: 3.81 AA 18pt ²	Ratio: 2.78 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.53 Failed ⁵	Ratio: 2.57 Failed ⁵
Hex(003F59)	Ratio: 5.28 AA ¹ AAA 18pt ⁴	Ratio: 3.85 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(002942)	Ratio: 7.02 Passed ⁶	Ratio: 5.12 AA ¹ AAA 18pt ⁴	Ratio: 3.63 AA 18pt ²	Ratio: 2.61 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(00112C)	Ratio: 8.77 Passed ⁶	Ratio: 6.40 AA ¹ AAA 18pt ⁴	Ratio: 4.54 AA ¹ AAA 18pt ⁴	Ratio: 3.27 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(000116)	Ratio: 9.64 Passed ⁶	Ratio: 7.03 Passed ⁶	Ratio: 4.99 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.53 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 9.80 Passed ⁶	Ratio: 7.14 Passed ⁶	Ratio: 5.07 AA ¹ AAA 18pt ⁴	Ratio: 3.65 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.02 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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