

Converting Colors - WCAG Matrix

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

	Hex(78D5F3)	Hex(5AB9D7)	Hex(399EBB)	Hex(0684A0)	Hex(006B86)	Hex(00526C)	Hex(003B54)	Hex(00253D)	Hex(000827)	Hex(000111)
Hex(78D5F3)		Ratio: 1.35 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.62 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 7.19 Passed ⁶	Ratio: 9.47 Passed ⁶	Ratio: 11.85 Passed ⁶	Ratio: 12.46 Passed ⁶
Hex(5AB9D7)	Ratio: 1.35 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.71 Failed ⁵	Ratio: 3.86 AA 18pt ² AAA 18pt ⁴	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 7.02 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 9.24 Passed ⁶
Hex(399EBB)	Ratio: 1.86 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.80 Failed ⁵	Ratio: 3.87 AA 18pt ²	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 6.70 AA ¹ AAA 18pt ⁴
Hex(0684A0)	Ratio: 2.62 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 2.75 Failed ⁵	Ratio: 3.62 AA 18pt ²	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴
Hex(006B86)	Ratio: 3.66 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.59 Failed ⁵	Ratio: 3.24 AA 18pt ²	Ratio: 3.41 AA 18pt ²
Hex(00526C)	Ratio: 5.20 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.80 Failed ⁵	Ratio: 1.99 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.39 Failed ⁵
Hex(003B54)	Ratio: 7.19 Passed ⁶	Ratio: 5.34 AA ¹ AAA 18pt ⁴	Ratio: 3.87 AA 18pt ²	Ratio: 2.75 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.73 Failed ⁵
Hex(00253D)	Ratio: 9.47 Passed ⁶	Ratio: 7.02 Passed ⁶	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.62 AA 18pt ²	Ratio: 2.59 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(000827)	Ratio: 11.85 Passed ⁶	Ratio: 8.79 Passed ⁶	Ratio: 6.37 AA ¹ AAA 18pt ⁴	Ratio: 4.53 AA ¹ AAA 18pt ⁴	Ratio: 3.24 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.05 Failed ⁵
Hex(000111)	Ratio: 12.46 Passed ⁶	Ratio: 9.24 Passed ⁶	Ratio: 6.70 AA ¹ AAA 18pt ⁴	Ratio: 4.76 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.73 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.05 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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