

Converting Colors - WCAG Matrix

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

	Hex(B4EBFB)	Hex(98D0DE)	Hex(7DB2C2)	Hex(6399A7)	Hex(487D8D)	Hex(2E6673)	Hex(0E4E5B)	Hex(003643)	Hex(00212D)	Hex(000119)
Hex(B4EBFB)		Ratio: 1.31 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.53 AA 18pt ²	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 10.08 Passed ⁶	Ratio: 12.92 Passed ⁶	Ratio: 15.92 Passed ⁶
Hex(98D0DE)	Ratio: 1.31 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 3.80 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 7.72 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 12.19 Passed ⁶
Hex(7DB2C2)	Ratio: 1.80 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.76 Failed ⁵	Ratio: 3.99 AA 18pt ²	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 7.18 Passed ⁶	Ratio: 8.86 Passed ⁶
Hex(6399A7)	Ratio: 2.44 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.94 Failed ⁵	Ratio: 4.13 AA 18pt ²	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 6.52 AA ¹ AAA 18pt ⁴
Hex(487D8D)	Ratio: 3.53 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.41 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.51 AA ¹ AAA 18pt ⁴
Hex(2E6673)	Ratio: 4.97 AA ¹ AAA 18pt ⁴	Ratio: 3.80 AA 18pt ²	Ratio: 2.76 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.41 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.21 AA 18pt ²
Hex(0E4E5B)	Ratio: 7.18 Passed ⁶	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.99 AA 18pt ²	Ratio: 2.94 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.22 Failed ⁵
Hex(003643)	Ratio: 10.08 Passed ⁶	Ratio: 7.72 Passed ⁶	Ratio: 5.61 AA ¹ AAA 18pt ⁴	Ratio: 4.13 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(00212D)	Ratio: 12.92 Passed ⁶	Ratio: 9.89 Passed ⁶	Ratio: 7.18 Passed ⁶	Ratio: 5.29 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵
Hex(000119)	Ratio: 15.92 Passed ⁶	Ratio: 12.19 Passed ⁶	Ratio: 8.86 Passed ⁶	Ratio: 6.52 AA ¹ AAA 18pt ⁴	Ratio: 4.51 AA ¹ AAA 18pt ⁴	Ratio: 3.21 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 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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