

Converting Colors - WCAG Matrix

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

	Hex(B4D2FF)	Hex(98B6E2)	Hex(7D9CC6)	Hex(6382AB)	Hex(496990)	Hex(2F5176)	Hex(113A5E)	Hex(002546)	Hex(000F2F)	Hex(00011A)
Hex(B4D2FF)		Ratio: 1.34 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 3.67 AA 18pt ²	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 7.60 Passed ⁶	Ratio: 10.05 Passed ⁶	Ratio: 12.26 Passed ⁶	Ratio: 13.35 Passed ⁶
Hex(98B6E2)	Ratio: 1.34 Failed ⁵		Ratio: 1.36 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.73 Failed ⁵	Ratio: 3.96 AA 18pt ²	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 7.48 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 9.93 Passed ⁶
Hex(7D9CC6)	Ratio: 1.83 Failed ⁵	Ratio: 1.36 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.91 Failed ⁵	Ratio: 4.16 AA 18pt ²	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 7.30 Passed ⁶
Hex(6382AB)	Ratio: 2.56 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.97 Failed ⁵	Ratio: 3.93 AA 18pt ²	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(496990)	Ratio: 3.67 AA 18pt ²	Ratio: 2.73 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.45 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.34 AA 18pt ²	Ratio: 3.64 AA 18pt ²
Hex(2F5176)	Ratio: 5.31 AA ¹ AAA 18pt ⁴	Ratio: 3.96 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.45 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(113A5E)	Ratio: 7.60 Passed ⁶	Ratio: 5.65 AA ¹ AAA 18pt ⁴	Ratio: 4.16 AA 18pt ²	Ratio: 2.97 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.76 Failed ⁵
Hex(002546)	Ratio: 10.05 Passed ⁶	Ratio: 7.48 Passed ⁶	Ratio: 5.50 AA ¹ AAA 18pt ⁴	Ratio: 3.93 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.22 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(000F2F)	Ratio: 12.26 Passed ⁶	Ratio: 9.13 Passed ⁶	Ratio: 6.71 AA ¹ AAA 18pt ⁴	Ratio: 4.79 AA ¹ AAA 18pt ⁴	Ratio: 3.34 AA 18pt ²	Ratio: 2.31 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.22 Failed ⁵		Ratio: 1.09 Failed ⁵
Hex(00011A)	Ratio: 13.35 Passed ⁶	Ratio: 9.93 Passed ⁶	Ratio: 7.30 Passed ⁶	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 3.64 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 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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