

Converting Colors - WCAG Matrix

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

	Hex(4DB6FF)	Hex(1D9BE2)	Hex(0081C6)	Hex(0068AA)	Hex(005090)	Hex(003A76)	Hex(00255C)	Hex(000D44)	Hex(00032D)	Hex(000118)
Hex(4DB6FF)		Ratio: 1.38 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.71 AA 18pt ²	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 8.28 Passed ⁶	Ratio: 8.99 Passed ⁶	Ratio: 9.29 Passed ⁶
Hex(1D9BE2)	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 6.72 AA ¹ AAA 18pt ⁴
Hex(0081C6)	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.39 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.49 AA 18pt ²	Ratio: 4.34 AA 18pt ²	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴
Hex(0068AA)	Ratio: 2.65 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.39 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.12 AA 18pt ²	Ratio: 3.39 AA 18pt ²	Ratio: 3.50 AA 18pt ²
Hex(005090)	Ratio: 3.71 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.43 Failed ⁵	Ratio: 2.51 Failed ⁵
Hex(003A76)	Ratio: 5.06 AA ¹ AAA 18pt ⁴	Ratio: 3.66 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.83 Failed ⁵
Hex(00255C)	Ratio: 6.66 AA ¹ AAA 18pt ⁴	Ratio: 4.82 AA ¹ AAA 18pt ⁴	Ratio: 3.49 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.39 Failed ⁵
Hex(000D44)	Ratio: 8.28 Passed ⁶	Ratio: 5.99 AA ¹ AAA 18pt ⁴	Ratio: 4.34 AA 18pt ²	Ratio: 3.12 AA 18pt ²	Ratio: 2.24 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.12 Failed ⁵
Hex(00032D)	Ratio: 8.99 Passed ⁶	Ratio: 6.51 AA ¹ AAA 18pt ⁴	Ratio: 4.72 AA ¹ AAA 18pt ⁴	Ratio: 3.39 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000118)	Ratio: 9.29 Passed ⁶	Ratio: 6.72 AA ¹ AAA 18pt ⁴	Ratio: 4.87 AA ¹ AAA 18pt ⁴	Ratio: 3.50 AA 18pt ²	Ratio: 2.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.12 Failed ⁵	Ratio: 1.03 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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