

Converting Colors - WCAG Matrix

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

	Hex(33ABFF)	Hex(0091E2)	Hex(0077C6)	Hex(005FAA)	Hex(00478F)	Hex(003275)	Hex(001E5C)	Hex(000744)	Hex(00032D)	Hex(000117)
Hex(33ABFF)		Ratio: 1.37 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 7.55 Passed ⁶	Ratio: 8.00 Passed ⁶	Ratio: 8.27 Passed ⁶
Hex(0091E2)	Ratio: 1.37 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.59 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 5.85 AA ¹ AAA 18pt ⁴	Ratio: 6.05 AA ¹ AAA 18pt ⁴
Hex(0077C6)	Ratio: 1.89 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.38 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.24 AA 18pt ²	Ratio: 4.38 AA 18pt ²
Hex(005FAA)	Ratio: 2.61 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.38 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.16 AA 18pt ²
Hex(00478F)	Ratio: 3.66 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.94 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.26 Failed ⁵
Hex(003275)	Ratio: 4.91 AA ¹ AAA 18pt ⁴	Ratio: 3.59 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.68 Failed ⁵
Hex(001E5C)	Ratio: 6.28 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.32 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.32 Failed ⁵
Hex(000744)	Ratio: 7.55 Passed ⁶	Ratio: 5.52 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.10 Failed ⁵
Hex(00032D)	Ratio: 8.00 Passed ⁶	Ratio: 5.85 AA ¹ AAA 18pt ⁴	Ratio: 4.24 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.19 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000117)	Ratio: 8.27 Passed ⁶	Ratio: 6.05 AA ¹ AAA 18pt ⁴	Ratio: 4.38 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.26 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.10 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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