

Converting Colors - WCAG Matrix

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

	Hex(1978FF)	Hex(0060E2)	Hex(0049C5)	Hex(0034A9)	Hex(00218E)	Hex(000D74)	Hex(000D5A)	Hex(000741)	Hex(00032A)	Hex(000115)
Hex(1978FF)		Ratio: 1.37 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 3.22 AA 18pt ²	Ratio: 3.95 AA 18pt ²	Ratio: 4.29 AA 18pt ²	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 5.09 AA ¹ AAA 18pt ⁴
Hex(0060E2)	Ratio: 1.37 Failed ⁵		Ratio: 1.37 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 2.35 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.13 AA 18pt ²	Ratio: 3.41 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 3.71 AA 18pt ²
Hex(0049C5)	Ratio: 1.87 Failed ⁵	Ratio: 1.37 Failed ⁵		Ratio: 1.34 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.49 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.72 Failed ⁵
Hex(0034A9)	Ratio: 2.51 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.34 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.03 Failed ⁵
Hex(00218E)	Ratio: 3.22 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.58 Failed ⁵
Hex(000D74)	Ratio: 3.95 AA 18pt ²	Ratio: 2.88 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.29 Failed ⁵
Hex(000D5A)	Ratio: 4.29 AA 18pt ²	Ratio: 3.13 AA 18pt ²	Ratio: 2.29 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵
Hex(000741)	Ratio: 4.67 AA ¹ AAA 18pt ⁴	Ratio: 3.41 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00032A)	Ratio: 4.94 AA ¹ AAA 18pt ⁴	Ratio: 3.60 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000115)	Ratio: 5.09 AA ¹ AAA 18pt ⁴	Ratio: 3.71 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.29 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 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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