

Converting Colors - WCAG Matrix

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

	Hex(1353E2)	Hex(003CC5)	Hex(0028A9)	Hex(00168E)	Hex(000074)	Hex(000D5A)	Hex(000741)	Hex(00032A)	Hex(000114)	Hex(000000)
Hex(1353E2)		Ratio: 1.37 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.04 AA 18pt ²	Ratio: 3.21 AA 18pt ²	Ratio: 3.32 AA 18pt ²	Ratio: 3.36 AA 18pt ²
Hex(003CC5)	Ratio: 1.37 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.45 Failed ⁵
Hex(0028A9)	Ratio: 1.79 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.25 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.88 Failed ⁵
Hex(00168E)	Ratio: 2.23 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.25 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.51 Failed ⁵
Hex(000074)	Ratio: 2.69 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.25 Failed ⁵
Hex(000D5A)	Ratio: 2.79 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(000741)	Ratio: 3.04 AA 18pt ²	Ratio: 2.22 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(00032A)	Ratio: 3.21 AA 18pt ²	Ratio: 2.34 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.05 Failed ⁵
Hex(000114)	Ratio: 3.32 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.01 Failed ⁵
Hex(000000)	Ratio: 3.36 AA 18pt ²	Ratio: 2.45 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.05 Failed ⁵	Ratio: 1.01 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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