

Converting Colors - WCAG Matrix

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

	Hex(003EFF)	Hex(0027E1)	Hex(0010C5)	Hex(0000A8)	Hex(00008D)	Hex(000C72)	Hex(000D58)	Hex(000740)	Hex(000329)	Hex(000113)
Hex(003EFF)		Ratio: 1.32 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.26 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 2.84 Failed ⁵	Ratio: 3.00 AA 18pt ²	Ratio: 3.09 AA 18pt ²
Hex(0027E1)	Ratio: 1.32 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.35 Failed ⁵
Hex(0010C5)	Ratio: 1.67 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(0000A8)	Ratio: 2.00 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.54 Failed ⁵
Hex(00008D)	Ratio: 2.26 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(000C72)	Ratio: 2.42 Failed ⁵	Ratio: 1.83 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.21 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.08 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(000D58)	Ratio: 2.61 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.16 Failed ⁵	Ratio: 1.08 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(000740)	Ratio: 2.84 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.42 Failed ⁵	Ratio: 1.25 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000329)	Ratio: 3.00 AA 18pt ²	Ratio: 2.28 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000113)	Ratio: 3.09 AA 18pt ²	Ratio: 2.35 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.18 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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