

Converting Colors - WCAG Matrix

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

	Hex(1C59FA)	Hex(0042DE)	Hex(002EBF)	Hex(001AA3)	Hex(000A8A)	Hex(00056E)	Hex(000D54)	Hex(00053D)	Hex(000326)	Hex(00000F)
Hex(1C59FA)		Ratio: 1.36 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.25 AA 18pt ²	Ratio: 3.54 AA 18pt ²	Ratio: 3.71 AA 18pt ²	Ratio: 3.83 AA 18pt ²
Hex(0042DE)	Ratio: 1.36 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 2.27 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 2.81 Failed ⁵
Hex(002EBF)	Ratio: 1.80 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 2.13 Failed ⁵
Hex(001AA3)	Ratio: 2.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(000A8A)	Ratio: 2.74 Failed ⁵	Ratio: 2.01 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.40 Failed ⁵
Hex(00056E)	Ratio: 3.09 AA 18pt ²	Ratio: 2.27 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.13 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.24 Failed ⁵
Hex(000D54)	Ratio: 3.25 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.18 Failed ⁵
Hex(00053D)	Ratio: 3.54 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.54 Failed ⁵	Ratio: 1.30 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.08 Failed ⁵
Hex(000326)	Ratio: 3.71 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.06 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.14 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(00000F)	Ratio: 3.83 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.13 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.24 Failed ⁵	Ratio: 1.18 Failed ⁵	Ratio: 1.08 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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