

Converting Colors - WCAG Matrix

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

	Hex(9E24E9)	Hex(8000CC)	Hex(6200B0)	Hex(430094)	Hex(1F007A)	Hex(000060)	Hex(000047)	Hex(00042F)	Hex(00011A)	Hex(000000)
Hex(9E24E9)		Ratio: 1.39 Failed ⁵	Ratio: 1.81 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.90 Failed ⁵	Ratio: 3.32 AA 18pt ²	Ratio: 3.56 AA 18pt ²	Ratio: 3.67 AA 18pt ²	Ratio: 3.81 AA 18pt ²	Ratio: 3.88 AA 18pt ²
Hex(8000CC)	Ratio: 1.39 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.64 Failed ⁵	Ratio: 2.74 Failed ⁵	Ratio: 2.79 Failed ⁵
Hex(6200B0)	Ratio: 1.81 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 2.15 Failed ⁵
Hex(430094)	Ratio: 2.33 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.24 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.67 Failed ⁵
Hex(1F007A)	Ratio: 2.90 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.24 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(000060)	Ratio: 3.32 AA 18pt ²	Ratio: 2.39 Failed ⁵	Ratio: 1.84 Failed ⁵	Ratio: 1.43 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.07 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.17 Failed ⁵
Hex(000047)	Ratio: 3.56 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.07 Failed ⁵		Ratio: 1.03 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(00042F)	Ratio: 3.67 AA 18pt ²	Ratio: 2.64 Failed ⁵	Ratio: 2.03 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.10 Failed ⁵	Ratio: 1.03 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.06 Failed ⁵
Hex(00011A)	Ratio: 3.81 AA 18pt ²	Ratio: 2.74 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.07 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.02 Failed ⁵
Hex(000000)	Ratio: 3.88 AA 18pt ²	Ratio: 2.79 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 1.67 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.17 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.06 Failed ⁵	Ratio: 1.02 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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