

Converting Colors - WCAG Matrix

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

	Hex(B000FF)	Hex(9100E2)	Hex(7200C5)	Hex(5300A9)	Hex(2F008D)	Hex(000073)	Hex(000059)	Hex(000740)	Hex(000329)	Hex(000113)
Hex(B000FF)		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.44 AA 18pt ²	Ratio: 3.75 AA 18pt ²	Ratio: 3.88 AA 18pt ²	Ratio: 4.11 AA 18pt ²	Ratio: 4.23 AA 18pt ²
Hex(9100E2)	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 2.99 Failed ⁵	Ratio: 3.16 AA 18pt ²	Ratio: 3.26 AA 18pt ²
Hex(7200C5)	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.49 Failed ⁵
Hex(5300A9)	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.91 Failed ⁵
Hex(2F008D)	Ratio: 2.85 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(000073)	Ratio: 3.44 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(000059)	Ratio: 3.75 AA 18pt ²	Ratio: 2.89 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.04 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.13 Failed ⁵
Hex(000740)	Ratio: 3.88 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.13 Failed ⁵	Ratio: 1.04 Failed ⁵		Ratio: 1.06 Failed ⁵	Ratio: 1.09 Failed ⁵
Hex(000329)	Ratio: 4.11 AA 18pt ²	Ratio: 3.16 AA 18pt ²	Ratio: 2.41 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.44 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.06 Failed ⁵		Ratio: 1.03 Failed ⁵
Hex(000113)	Ratio: 4.23 AA 18pt ²	Ratio: 3.26 AA 18pt ²	Ratio: 2.49 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.13 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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