

Converting Colors - WCAG Matrix

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

	Hex(FF5226)	Hex(DE3209)	Hex(BD0100)	Hex(9D0000)	Hex(7D0000)	Hex(5E0000)	Hex(420003)	Hex(200001)	Hex(000000)
Hex(FF5226)		Ratio: 1.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 2.67 Failed ⁵	Ratio: 3.47 AA 18pt ²	Ratio: 4.39 AA 18pt ²	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 6.49 AA ¹ AAA 18pt ⁴
Hex(DE3209)	Ratio: 1.42 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.44 Failed ⁵	Ratio: 3.09 AA 18pt ²	Ratio: 3.70 AA 18pt ²	Ratio: 4.30 AA 18pt ²	Ratio: 4.57 AA ¹ AAA 18pt ⁴
Hex(BD0100)	Ratio: 2.05 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 2.15 Failed ⁵	Ratio: 2.57 Failed ⁵	Ratio: 2.98 Failed ⁵	Ratio: 3.17 AA 18pt ²
Hex(9D0000)	Ratio: 2.67 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.43 Failed ⁵
Hex(7D0000)	Ratio: 3.47 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.87 Failed ⁵
Hex(5E0000)	Ratio: 4.39 AA 18pt ²	Ratio: 3.09 AA 18pt ²	Ratio: 2.15 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.20 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.48 Failed ⁵
Hex(420003)	Ratio: 5.26 AA ¹ AAA 18pt ⁴	Ratio: 3.70 AA 18pt ²	Ratio: 2.57 Failed ⁵	Ratio: 1.97 Failed ⁵	Ratio: 1.52 Failed ⁵	Ratio: 1.20 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.23 Failed ⁵
Hex(200001)	Ratio: 6.11 AA ¹ AAA 18pt ⁴	Ratio: 4.30 AA 18pt ²	Ratio: 2.98 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.76 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(000000)	Ratio: 6.49 AA ¹ AAA 18pt ⁴	Ratio: 4.57 AA ¹ AAA 18pt ⁴	Ratio: 3.17 AA 18pt ²	Ratio: 2.43 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 1.48 Failed ⁵	Ratio: 1.23 Failed ⁵	Ratio: 1.06 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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