

Converting Colors - WCAG Matrix

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

	Hex(FD0318)	Hex(DB0000)	Hex(BA0000)	Hex(990000)	Hex(780001)	Hex(590004)	Hex(500005)
Hex(FD0318)		Ratio: 1.30 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.89 Failed ⁵	Ratio: 3.65 AA 18pt ²	Ratio: 3.87 AA 18pt ²
Hex(DB0000)	Ratio: 1.30 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.81 Failed ⁵	Ratio: 2.99 Failed ⁵
Hex(BA0000)	Ratio: 1.68 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 2.30 Failed ⁵
Hex(990000)	Ratio: 2.21 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.75 Failed ⁵
Hex(780001)	Ratio: 2.89 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.26 Failed ⁵	Ratio: 1.34 Failed ⁵
Hex(590004)	Ratio: 3.65 AA 18pt ²	Ratio: 2.81 Failed ⁵	Ratio: 2.16 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.26 Failed ⁵		Ratio: 1.06 Failed ⁵
Hex(500005)	Ratio: 3.87 AA 18pt ²	Ratio: 2.99 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.75 Failed ⁵	Ratio: 1.34 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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