

Converting Colors - WCAG Matrix

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

	Hex(F0249)	Hex(DE0033)	Hex(BD001E)	Hex(9C0009)	Hex(7C0001)	Hex(5C0004)	Hex(3D0003)	Hex(180001)	Hex(000000)
Hex(F0249)		Ratio: 1.29 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 2.22 Failed ⁵	Ratio: 2.88 Failed ⁵	Ratio: 3.68 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 5.36 AA ¹ AAA 18pt ⁴
Hex(DE0033)	Ratio: 1.29 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.85 Failed ⁵	Ratio: 3.46 AA 18pt ²	Ratio: 4.00 AA 18pt ²	Ratio: 4.15 AA 18pt ²
Hex(BD001E)	Ratio: 1.68 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 1.32 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.65 Failed ⁵	Ratio: 3.06 AA 18pt ²	Ratio: 3.18 AA 18pt ²
Hex(9C0009)	Ratio: 2.22 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.32 Failed ⁵		Ratio: 1.30 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.33 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(7C0001)	Ratio: 2.88 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.71 Failed ⁵	Ratio: 1.30 Failed ⁵		Ratio: 1.27 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.86 Failed ⁵
Hex(5C0004)	Ratio: 3.68 AA 18pt ²	Ratio: 2.85 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.27 Failed ⁵		Ratio: 1.21 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.46 Failed ⁵
Hex(3D0003)	Ratio: 4.46 AA 18pt ²	Ratio: 3.46 AA 18pt ²	Ratio: 2.65 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.21 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.20 Failed ⁵
Hex(180001)	Ratio: 5.15 AA ¹ AAA 18pt ⁴	Ratio: 4.00 AA 18pt ²	Ratio: 3.06 AA 18pt ²	Ratio: 2.33 Failed ⁵	Ratio: 1.79 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.04 Failed ⁵
Hex(000000)	Ratio: 5.36 AA ¹ AAA 18pt ⁴	Ratio: 4.15 AA 18pt ²	Ratio: 3.18 AA 18pt ²	Ratio: 2.42 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.20 Failed ⁵	Ratio: 1.04 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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