

Converting Colors - WCAG Matrix

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

Hex(A90038) Hex(DB0049) Hex(008DA9) Hex(544C4F) Hex(940031) Hex(140007)

	Hex(A90038)	Hex(DB0049)	Hex(008DA9)	Hex(544C4F)	Hex(940031)	Hex(140007)
Hex(A90038)		Ratio: 1.50 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 2.66 Failed ⁵
Hex(DB0049)	Ratio: 1.50 Failed ⁵		Ratio: 1.31 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 3.98 AA 18pt ²
Hex(008DA9)	Ratio: 1.96 Failed ⁵	Ratio: 1.31 Failed ⁵		Ratio: 2.13 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 5.21 AA ¹ AAA 18pt ⁴
Hex(544C4F)	Ratio: 1.09 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 2.13 Failed ⁵		Ratio: 1.10 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(940031)	Ratio: 1.19 Failed ⁵	Ratio: 1.78 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 1.10 Failed ⁵		Ratio: 2.23 Failed ⁵
Hex(140007)	Ratio: 2.66 Failed ⁵	Ratio: 3.98 AA 18pt ²	Ratio: 5.21 AA ¹ AAA 18pt ⁴	Ratio: 2.44 Failed ⁵	Ratio: 2.23 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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