

Converting Colors - WCAG Matrix

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

Hex(E30087) Hex(FFB3E0) Hex(5C00E3) Hex(80526E) Hex(000000) Hex(808080)

	Hex(E30087)	Hex(FFB3E0)	Hex(5C00E3)	Hex(80526E)	Hex(000000)	Hex(808080)
Hex(E30087)		Ratio: 2.77 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 1.15 Failed ⁵
Hex(FFB3E0)	Ratio: 2.77 Failed ⁵		Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.81 AA 18pt ²	Ratio: 12.78 Passed ⁶	Ratio: 2.40 Failed ⁵
Hex(5C00E3)	Ratio: 1.80 Failed ⁵	Ratio: 4.98 AA ¹ AAA 18pt ⁴		Ratio: 1.31 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.07 Failed ⁵
Hex(80526E)	Ratio: 1.38 Failed ⁵	Ratio: 3.81 AA 18pt ²	Ratio: 1.31 Failed ⁵		Ratio: 3.35 AA 18pt ²	Ratio: 1.59 Failed ⁵
Hex(000000)	Ratio: 4.62 AA ¹ AAA 18pt ⁴	Ratio: 12.78 Passed ⁶	Ratio: 2.56 Failed ⁵	Ratio: 3.35 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.15 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.07 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 5.32 AA ¹ AAA 18pt ⁴	

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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