

Converting Colors - WCAG Matrix

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

Hex(E7007B) Hex(FFB3DB) Hex(6C00E7) Hex(80526A) Hex(000000) Hex(808080)

	Hex(E7007B)	Hex(FFB3DB)	Hex(6C00E7)	Hex(80526A)	Hex(000000)	Hex(808080)
Hex(E7007B)		Ratio: 2.72 Failed ⁵	Ratio: 1.68 Failed ⁵	Ratio: 1.41 Failed ⁵	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 1.14 Failed ⁵
Hex(FFB3DB)	Ratio: 2.72 Failed ⁵		Ratio: 4.56 AA ¹ AAA 18pt ⁴	Ratio: 3.82 AA 18pt ²	Ratio: 12.72 Passed ⁶	Ratio: 2.39 Failed ⁵
Hex(6C00E7)	Ratio: 1.68 Failed ⁵	Ratio: 4.56 AA ¹ AAA 18pt ⁴		Ratio: 1.19 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 1.90 Failed ⁵
Hex(80526A)	Ratio: 1.41 Failed ⁵	Ratio: 3.82 AA 18pt ²	Ratio: 1.19 Failed ⁵		Ratio: 3.33 AA 18pt ²	Ratio: 1.60 Failed ⁵
Hex(000000)	Ratio: 4.68 AA ¹ AAA 18pt ⁴	Ratio: 12.72 Passed ⁶	Ratio: 2.79 Failed ⁵	Ratio: 3.33 AA 18pt ²		Ratio: 5.32 AA ¹ AAA 18pt ⁴
Hex(808080)	Ratio: 1.14 Failed ⁵	Ratio: 2.39 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.60 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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