

Converting Colors - WCAG Matrix

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

	Hex(FD5BAE)	Hex(DE3C93)	Hex(C0127A)	Hex(A20061)	Hex(850049)	Hex(680032)	Hex(4C001E)	Hex(300002)	Hex(000000)
Hex(FD5BAE)		Ratio: 1.41 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.48 AA 18pt ²	Ratio: 4.46 AA 18pt ²	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 7.28 Passed ⁶
Hex(DE3C93)	Ratio: 1.41 Failed ⁵		Ratio: 1.43 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 3.17 AA 18pt ²	Ratio: 3.90 AA 18pt ²	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 5.17 AA ¹ AAA 18pt ⁴
Hex(C0127A)	Ratio: 2.02 Failed ⁵	Ratio: 1.43 Failed ⁵		Ratio: 1.33 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.72 Failed ⁵	Ratio: 3.20 AA 18pt ²	Ratio: 3.61 AA 18pt ²
Hex(A20061)	Ratio: 2.69 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.33 Failed ⁵		Ratio: 1.29 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.40 Failed ⁵	Ratio: 2.71 Failed ⁵
Hex(850049)	Ratio: 3.48 AA 18pt ²	Ratio: 2.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 1.29 Failed ⁵		Ratio: 1.28 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.09 Failed ⁵
Hex(680032)	Ratio: 4.46 AA 18pt ²	Ratio: 3.17 AA 18pt ²	Ratio: 2.21 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.28 Failed ⁵		Ratio: 1.23 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.63 Failed ⁵
Hex(4C001E)	Ratio: 5.49 AA ¹ AAA 18pt ⁴	Ratio: 3.90 AA 18pt ²	Ratio: 2.72 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.23 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.33 Failed ⁵
Hex(300002)	Ratio: 6.47 AA ¹ AAA 18pt ⁴	Ratio: 4.59 AA ¹ AAA 18pt ⁴	Ratio: 3.20 AA 18pt ²	Ratio: 2.40 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.45 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.13 Failed ⁵
Hex(000000)	Ratio: 7.28 Passed ⁶	Ratio: 5.17 AA ¹ AAA 18pt ⁴	Ratio: 3.61 AA 18pt ²	Ratio: 2.71 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.13 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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