

Converting Colors - WCAG Matrix

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

	Hex(330020)	Hex(FFE4FF)	Hex(642E4C)	Hex(7E4664)	Hex(995E7D)	Hex(B47797)	Hex(D092B2)	Hex(EDACCD)	Hex(FFC8E9)
Hex(330020)		Ratio: 15.32 Passed ⁶	Ratio: 1.75 Failed ⁵	Ratio: 2.54 Failed ⁵	Ratio: 3.66 AA 18pt ²	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 7.26 Passed ⁶	Ratio: 9.80 Passed ⁶	Ratio: 12.65 Passed ⁶
Hex(FFE4FF)	Ratio: 15.32 Passed ⁶		Ratio: 8.74 Passed ⁶	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 4.19 AA 18pt ²	Ratio: 2.95 Failed ⁵	Ratio: 2.11 Failed ⁵	Ratio: 1.56 Failed ⁵	Ratio: 1.21 Failed ⁵
Hex(642E4C)	Ratio: 1.75 Failed ⁵	Ratio: 8.74 Passed ⁶		Ratio: 1.45 Failed ⁵	Ratio: 2.09 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 7.21 Passed ⁶
Hex(7E4664)	Ratio: 2.54 Failed ⁵	Ratio: 6.04 AA ¹ AAA 18pt ⁴	Ratio: 1.45 Failed ⁵		Ratio: 1.44 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.86 Failed ⁵	Ratio: 3.86 AA 18pt ²	Ratio: 4.98 AA ¹ AAA 18pt ⁴
Hex(995E7D)	Ratio: 3.66 AA 18pt ²	Ratio: 4.19 AA 18pt ²	Ratio: 2.09 Failed ⁵	Ratio: 1.44 Failed ⁵		Ratio: 1.42 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 2.68 Failed ⁵	Ratio: 3.46 AA 18pt ²
Hex(B47797)	Ratio: 5.19 AA ¹ AAA 18pt ⁴	Ratio: 2.95 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.42 Failed ⁵		Ratio: 1.40 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.44 Failed ⁵
Hex(D092B2)	Ratio: 7.26 Passed ⁶	Ratio: 2.11 Failed ⁵	Ratio: 4.14 AA 18pt ²	Ratio: 2.86 Failed ⁵	Ratio: 1.98 Failed ⁵	Ratio: 1.40 Failed ⁵		Ratio: 1.35 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(EDACCD)	Ratio: 9.80 Passed ⁶	Ratio: 1.56 Failed ⁵	Ratio: 5.59 AA ¹ AAA 18pt ⁴	Ratio: 3.86 AA 18pt ²	Ratio: 2.68 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.35 Failed ⁵		Ratio: 1.29 Failed ⁵
Hex(FFC8E9)	Ratio: 12.65 Passed ⁶	Ratio: 1.21 Failed ⁵	Ratio: 7.21 Passed ⁶	Ratio: 4.98 AA ¹ AAA 18pt ⁴	Ratio: 3.46 AA 18pt ²	Ratio: 2.44 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.29 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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