

Converting Colors - WCAG Matrix

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

	Hex(DE3495)	Hex(DE4A9F)	Hex(DE60A8)	Hex(DE77B2)	Hex(DE8DBB)	Hex(DEA3C5)	Hex(DEB9CE)	Hex(DECFD8)	Hex(DEE6E1)	Hex(DEFCEB)
Hex(DE3495)		Ratio: 1.11 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.47 Failed ⁵	Ratio: 1.72 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.37 Failed ⁵	Ratio: 2.79 Failed ⁵	Ratio: 3.28 AA 18pt ²	Ratio: 3.82 AA 18pt ²
Hex(DE4A9F)	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.96 Failed ⁵	Ratio: 3.44 AA 18pt ²
Hex(DE60A8)	Ratio: 1.26 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.03 AA 18pt ²
Hex(DE77B2)	Ratio: 1.47 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 2.60 Failed ⁵
Hex(DE8DBB)	Ratio: 1.72 Failed ⁵	Ratio: 1.55 Failed ⁵	Ratio: 1.36 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 2.23 Failed ⁵
Hex(DEA3C5)	Ratio: 2.02 Failed ⁵	Ratio: 1.82 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵
Hex(DEB9CE)	Ratio: 2.37 Failed ⁵	Ratio: 2.14 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.61 Failed ⁵
Hex(DECFD8)	Ratio: 2.79 Failed ⁵	Ratio: 2.51 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.90 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(DEE6E1)	Ratio: 3.28 AA 18pt ²	Ratio: 2.96 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 2.24 Failed ⁵	Ratio: 1.91 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵
Hex(DEFCEB)	Ratio: 3.82 AA 18pt ²	Ratio: 3.44 AA 18pt ²	Ratio: 3.03 AA 18pt ²	Ratio: 2.60 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.61 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 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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