

Converting Colors - WCAG Matrix

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

	Hex(DE00BA)	Hex(DE16BE)	Hex(DE2CC1)	Hex(DE43C5)	Hex(DE59C8)	Hex(DE6FCC)	Hex(DE85D0)	Hex(DE9BD3)	Hex(DEB2D7)	Hex(DEC8DA)
Hex(DE00BA)		Ratio: 1.03 Failed ⁵	Ratio: 1.09 Failed ⁵	Ratio: 1.19 Failed ⁵	Ratio: 1.32 Failed ⁵	Ratio: 1.51 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 2.02 Failed ⁵	Ratio: 2.38 Failed ⁵	Ratio: 2.78 Failed ⁵
Hex(DE16BE)	Ratio: 1.03 Failed ⁵		Ratio: 1.05 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.70 Failed ⁵
Hex(DE2CC1)	Ratio: 1.09 Failed ⁵	Ratio: 1.05 Failed ⁵		Ratio: 1.09 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.56 Failed ⁵
Hex(DE43C5)	Ratio: 1.19 Failed ⁵	Ratio: 1.15 Failed ⁵	Ratio: 1.09 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 2.34 Failed ⁵
Hex(DE59C8)	Ratio: 1.32 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.22 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.14 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 2.10 Failed ⁵
Hex(DE6FCC)	Ratio: 1.51 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.27 Failed ⁵	Ratio: 1.14 Failed ⁵		Ratio: 1.15 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.85 Failed ⁵
Hex(DE85D0)	Ratio: 1.74 Failed ⁵	Ratio: 1.69 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.46 Failed ⁵	Ratio: 1.31 Failed ⁵	Ratio: 1.15 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.60 Failed ⁵
Hex(DE9BD3)	Ratio: 2.02 Failed ⁵	Ratio: 1.96 Failed ⁵	Ratio: 1.86 Failed ⁵	Ratio: 1.70 Failed ⁵	Ratio: 1.53 Failed ⁵	Ratio: 1.34 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵
Hex(DEB2D7)	Ratio: 2.38 Failed ⁵	Ratio: 2.31 Failed ⁵	Ratio: 2.19 Failed ⁵	Ratio: 2.00 Failed ⁵	Ratio: 1.80 Failed ⁵	Ratio: 1.58 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵
Hex(DEC8DA)	Ratio: 2.78 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.34 Failed ⁵	Ratio: 2.10 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.60 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.17 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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