

Converting Colors - WCAG Matrix

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

	Hex(DB4667)	Hex(DB5C78)	Hex(DB7289)	Hex(DB889A)	Hex(DB9EAB)	Hex(DBB3BC)	Hex(DBC9CD)	Hex(DBDFDE)	Hex(DBF5EF)	Hex(DBFFFF)
Hex(DB4667)		Ratio: 1.14 Failed ⁵	Ratio: 1.33 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.87 Failed ⁵	Ratio: 2.20 Failed ⁵	Ratio: 2.61 Failed ⁵	Ratio: 3.07 AA 18pt ²	Ratio: 3.60 AA 18pt ²	Ratio: 3.89 AA 18pt ²
Hex(DB5C78)	Ratio: 1.14 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 2.69 Failed ⁵	Ratio: 3.15 AA 18pt ²	Ratio: 3.40 AA 18pt ²
Hex(DB7289)	Ratio: 1.33 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 2.70 Failed ⁵	Ratio: 2.91 Failed ⁵
Hex(DB889A)	Ratio: 1.57 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.19 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 2.47 Failed ⁵
Hex(DB9EAB)	Ratio: 1.87 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.19 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 2.08 Failed ⁵
Hex(DBB3BC)	Ratio: 2.20 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.77 Failed ⁵
Hex(DBC9CD)	Ratio: 2.61 Failed ⁵	Ratio: 2.28 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.66 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.49 Failed ⁵
Hex(DBDFDE)	Ratio: 3.07 AA 18pt ²	Ratio: 2.69 Failed ⁵	Ratio: 2.30 Failed ⁵	Ratio: 1.95 Failed ⁵	Ratio: 1.65 Failed ⁵	Ratio: 1.40 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.26 Failed ⁵
Hex(DBF5EF)	Ratio: 3.60 AA 18pt ²	Ratio: 3.15 AA 18pt ²	Ratio: 2.70 Failed ⁵	Ratio: 2.29 Failed ⁵	Ratio: 1.93 Failed ⁵	Ratio: 1.64 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.08 Failed ⁵
Hex(DBFFFF)	Ratio: 3.89 AA 18pt ²	Ratio: 3.40 AA 18pt ²	Ratio: 2.91 Failed ⁵	Ratio: 2.47 Failed ⁵	Ratio: 2.08 Failed ⁵	Ratio: 1.77 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.26 Failed ⁵	Ratio: 1.08 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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