

Converting Colors - WCAG Matrix

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

	Hex(BB6F77)	Hex(BB8288)	Hex(BB9498)	Hex(BBA7A9)	Hex(BBBABA)	Hex(BBCCCB)	Hex(BBDFDB)	Hex(BBF2EC)	Hex(BBFFFD)	Hex(BBFFFF)
Hex(BB6F77)		Ratio: 1.18 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.92 Failed ⁵	Ratio: 2.23 Failed ⁵	Ratio: 2.60 Failed ⁵	Ratio: 3.01 AA 18pt ²	Ratio: 3.33 AA 18pt ²	Ratio: 3.34 AA 18pt ²
Hex(BB8288)	Ratio: 1.18 Failed ⁵		Ratio: 1.17 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 2.56 Failed ⁵	Ratio: 2.83 Failed ⁵	Ratio: 2.83 Failed ⁵
Hex(BB9498)	Ratio: 1.38 Failed ⁵	Ratio: 1.17 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.42 Failed ⁵
Hex(BBA7A9)	Ratio: 1.63 Failed ⁵	Ratio: 1.38 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.18 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 2.05 Failed ⁵
Hex(BBBABA)	Ratio: 1.92 Failed ⁵	Ratio: 1.63 Failed ⁵	Ratio: 1.39 Failed ⁵	Ratio: 1.18 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.74 Failed ⁵
Hex(BBCCCB)	Ratio: 2.23 Failed ⁵	Ratio: 1.89 Failed ⁵	Ratio: 1.62 Failed ⁵	Ratio: 1.37 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.50 Failed ⁵
Hex(BBDFDB)	Ratio: 2.60 Failed ⁵	Ratio: 2.21 Failed ⁵	Ratio: 1.88 Failed ⁵	Ratio: 1.59 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.16 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.28 Failed ⁵
Hex(BBF2EC)	Ratio: 3.01 AA 18pt ²	Ratio: 2.56 Failed ⁵	Ratio: 2.18 Failed ⁵	Ratio: 1.85 Failed ⁵	Ratio: 1.57 Failed ⁵	Ratio: 1.35 Failed ⁵	Ratio: 1.16 Failed ⁵		Ratio: 1.11 Failed ⁵	Ratio: 1.11 Failed ⁵
Hex(BBFFFD)	Ratio: 3.33 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.41 Failed ⁵	Ratio: 2.04 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.49 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.11 Failed ⁵		Ratio: 1.00 Failed ⁵
Hex(BBFFFF)	Ratio: 3.34 AA 18pt ²	Ratio: 2.83 Failed ⁵	Ratio: 2.42 Failed ⁵	Ratio: 2.05 Failed ⁵	Ratio: 1.74 Failed ⁵	Ratio: 1.50 Failed ⁵	Ratio: 1.28 Failed ⁵	Ratio: 1.11 Failed ⁵	Ratio: 1.00 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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