

# Converting Colors - WCAG Matrix

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

	Hex(D98CEA)	Hex(DDA3EA)	Hex(E1BBEA)	Hex(E5D2EA)	Hex(EAE9EA)	Hex(EEFFEA)	Hex(F2FFEA)	Hex(F7FFEA)	Hex(FBFFEA)	Hex(FFFEEA)
Hex(D98CEA)		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 2.30 Failed <sup>5</sup>	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 2.33 Failed <sup>5</sup>
Hex(DDA3EA)	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>
Hex(E1BBEA)	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>
Hex(E5D2EA)	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>
Hex(EAE9EA)	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>		Ratio: 1.16 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>
Hex(EEFFEA)	Ratio: 2.26 Failed <sup>5</sup>	Ratio: 1.92 Failed <sup>5</sup>	Ratio: 1.61 Failed <sup>5</sup>	Ratio: 1.37 Failed <sup>5</sup>	Ratio: 1.16 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>
Hex(F2FFEA)	Ratio: 2.28 Failed <sup>5</sup>	Ratio: 1.93 Failed <sup>5</sup>	Ratio: 1.62 Failed <sup>5</sup>	Ratio: 1.38 Failed <sup>5</sup>	Ratio: 1.17 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>
Hex(F7FFEA)	Ratio: 2.30 Failed <sup>5</sup>	Ratio: 1.95 Failed <sup>5</sup>	Ratio: 1.64 Failed <sup>5</sup>	Ratio: 1.39 Failed <sup>5</sup>	Ratio: 1.18 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>
Hex(FBFFEA)	Ratio: 2.32 Failed <sup>5</sup>	Ratio: 1.96 Failed <sup>5</sup>	Ratio: 1.65 Failed <sup>5</sup>	Ratio: 1.40 Failed <sup>5</sup>	Ratio: 1.19 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>
Hex(FFFEEA)	Ratio: 2.33 Failed <sup>5</sup>	Ratio: 1.98 Failed <sup>5</sup>	Ratio: 1.66 Failed <sup>5</sup>	Ratio: 1.41 Failed <sup>5</sup>	Ratio: 1.20 Failed <sup>5</sup>	Ratio: 1.03 Failed <sup>5</sup>	Ratio: 1.02 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>	

Details can be found at <https://www.w3.org/TR/WCAG20/>.

<sup>1</sup> AA

AA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>2</sup> AA 18pt

AA level for large text above 18pt.

<sup>3</sup> AAA

AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for any text size.

<sup>4</sup> AAA 18pt

AAA level for large text above 18pt.

<sup>5</sup> Failed

Fails to comply with the Web Content Accessibility Guidelines (WCAG) 2.0.

<sup>6</sup> Passed

Passes the AAA level of the Web Content Accessibility Guidelines (WCAG) 2.0 for all text sizes.

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