

# Converting Colors - WCAG Matrix

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

Hex(DDCBF1) Hex(E6CFFF) Hex(F0CBF1) Hex(726C78) Hex(5700B8) Hex(1B0038)

	Hex(DDCBF1)	Hex(E6CFFF)	Hex(F0CBF1)	Hex(726C78)	Hex(5700B8)	Hex(1B0038)
Hex(DDCBF1)		Ratio: 1.06 Failed <sup>5</sup>	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 3.36 AA 18pt <sup>2</sup>	Ratio: 6.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 12.58 Passed <sup>6</sup>
Hex(E6CFFF)	Ratio: 1.06 Failed <sup>5</sup>		Ratio: 1.01 Failed <sup>5</sup>	Ratio: 3.57 AA 18pt <sup>2</sup>	Ratio: 7.02 Passed <sup>6</sup>	Ratio: 13.35 Passed <sup>6</sup>
Hex(F0CBF1)	Ratio: 1.05 Failed <sup>5</sup>	Ratio: 1.01 Failed <sup>5</sup>		Ratio: 3.51 AA 18pt <sup>2</sup>	Ratio: 6.92 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 13.15 Passed <sup>6</sup>
Hex(726C78)	Ratio: 3.36 AA 18pt <sup>2</sup>	Ratio: 3.57 AA 18pt <sup>2</sup>	Ratio: 3.51 AA 18pt <sup>2</sup>		Ratio: 1.97 Failed <sup>5</sup>	Ratio: 3.74 AA 18pt <sup>2</sup>
Hex(5700B8)	Ratio: 6.62 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 7.02 Passed <sup>6</sup>	Ratio: 6.92 AA <sup>1</sup> AAA 18pt <sup>4</sup>	Ratio: 1.97 Failed <sup>5</sup>		Ratio: 1.90 Failed <sup>5</sup>
Hex(1B0038)	Ratio: 12.58 Passed <sup>6</sup>	Ratio: 13.35 Passed <sup>6</sup>	Ratio: 13.15 Passed <sup>6</sup>	Ratio: 3.74 AA 18pt <sup>2</sup>	Ratio: 1.90 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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