

Converting Colors

CIELCh(57, 89.411, 305.972)

Have a look what the booklet for
CIELCh(57, 89.411, 305.972)
contains.

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Color

CIELCh(56, 84.258, 306.335)

Conversions

Conversions Part 1

Format	Color
Hex	966AFE
RGB	150, 106, 254
RGB Percent	59%, 42%, 100%
CMY	0.4124, 0.5844, 0.0046
CMYK	0.41, 0.58, 0.00, 0.00
HSL	258°, 98%, 71%
HSV	258°, 58%, 100%
XYZ	35.5554, 23.9124, 96.3528
YIQ	136.0280, -21.2840, 55.3560

Conversions

Conversions Part 2

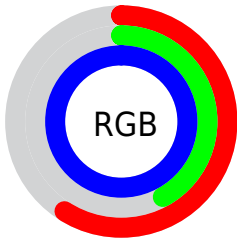
Format	Color
R _Y B	150, 106, 254
Decimal	9857790
CIE Lab	56.00, 49.92, -67.88
CIE LCh	56, 84.258, 306.335
Yxy	23.9124, 0.2282, 0.1535
Android (android.graphics.Color)	4288047870 (0xFF966AFE)
YUV	136.0280, 58.1602, 12.2534
Hunter-Lab	48.9003, 44.2118, -82.5943

Details

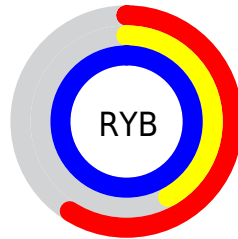
The CIELCh color **56, 84.258, 306.335** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **94, 73.503, 118.496**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 54.546, 311.638**, and **36, 84.120, 306.394** is the 20% darker color. If you saturate the color by 10%, you get **49, 98.936, 307.236**, and if you desaturate by 10%, it is **63, 69.095, 305.385**.

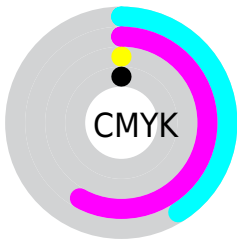
Distribution



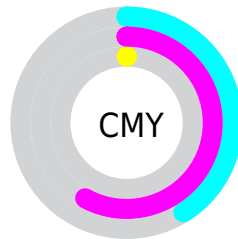
- Red (59%)
- Green (42%)
- Blue (100%)



- Red (59%)
- Yellow (42%)
- Blue (100%)



- Cyan (41%)
- Magenta (58%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (58%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 56, 84.258, 306.335 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 56, 84.258, 306.335 by changing the saturation by 10% instead.


 56, 84.258,
306.335


 56, 84.258,
306.335


 100, 84.258,
306.335


 46, 84.258,
306.335


 76, 84.258,
306.335

 36, 84.258,
306.335

 86, 84.258,
306.335

 26, 84.258,
306.335

 96, 84.258,
306.335

 16, 84.258,
306.335

 6, 84.258, 306.335

 0, 84.258, 306.335

56, 84.258,
306.335

56, 84.258,
306.335

49, 98.936,
307.236

63, 69.095,
305.385

43, 112.171,
307.954

71, 53.991,
304.464

39, 122.571,
308.309

78, 39.217,
303.611

36, 128.896,
308.151

86, 24.892,
302.844

35, 129.771,
308.111

93, 11.056,
302.164

100, 0.589,
110.003

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



56, 84.258, 306.335



94, 73.503, 118.496

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



56, 84.258, 306.335



56, 84.258, 356.335



56, 84.258, 126.335



56, 84.258, 176.335

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



56, 84.257, 306.336



87, 23.223, 302.755



80, 35.221, 237.565



45, 15.589, 302.900



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56, 84.257, 306.336



48, 101.773, 307.381



64, 85.863, 320.660



49, 7.664, 302.245



26, 104.682, 308.261



5, 44.747, 307.630

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



67, 72.275, 338.901



62, 82.801, 340.226



90, 83.923, 134.907



50, 7.358, 334.771



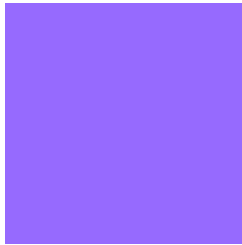
43, 74.476, 344.690



11, 35.086, 342.148

Previews

White Background



This preview shows how the CIELCh color 56, 84.258, 306.335 looks on a white background.

Color Contrast Check

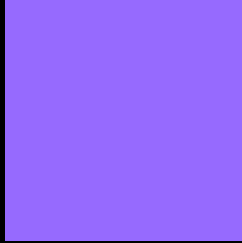
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 56, 84.258, 306.335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

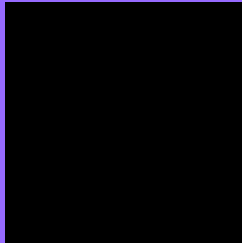
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 56, 84.258, 306.335

Background



This preview shows how black text looks on a background with the CIELCh color 56, 84.258, 306.335.



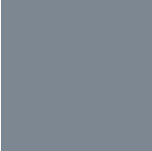
This preview shows how white text looks on a background with the CIELCh color 56, 84.258, 306.335.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy





Tritanopia
56, 7.244, 259.910

Trichromacy



Original Color
56, 84.334, 306.355



Protanomaly
55, 76.330, 294.080



Deuteranomaly
54, 69.216, 286.359



Tritanomaly
55, 35.329, 299.577

Monochromacy



Original Color
56, 84.334, 306.355



Achromatopsia
57, 0.007, 296.813



Achromatomaly
56, 31.603, 303.704

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 56, 84.258, 306.335 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 106, 254)` looks like.

```
.text, #text, p{  
    color:rgb(150, 106, 254)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 106, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 106, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 56, 84.258, 306.335 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 106, 254) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 106, 254) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 106, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 106, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 106, 254);  
box-shadow:4px 4px 4px 4px rgb(150, 106,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 56, 84.258, 306.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 106, 254) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150,  
106, 254) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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