

Converting Colors

CIELCh(62, 115.446, 304.142)

Have a look what the booklet for
CIELCh(62, 115.446, 304.142)
contains.

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Color

CIELCh(57, 80.679, 304.745)

Conversions

Conversions Part 1

Format	Color
Hex	9370FE
RGB	147, 112, 254
RGB Percent	58%, 44%, 100%
CMY	0.4241, 0.5608, 0.0045
CMYK	0.42, 0.56, 0.00, 0.00
HSL	255°, 98%, 72%
HSV	255°, 56%, 100%
XYZ	35.6645, 24.9227, 96.5673
YIQ	138.6530, -24.7220, 51.5820

Conversions

Conversions Part 2

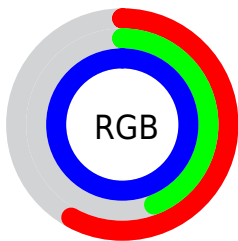
Format	Color
R _Y B	147, 112, 254
Decimal	9662718
CIE Lab	57.00, 45.98, -66.29
CIE LCh	57, 80.679, 304.745
Yxy	24.9227, 0.2269, 0.1586
Android (android.graphics.Color)	4287852798 (0xFF9370FE)
YUV	138.6530, 56.8661, 7.3203
Hunter-Lab	49.9226, 40.1551, -79.7412

Details

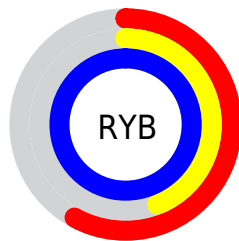
The CIELCh color **57, 80.679, 304.745** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **95, 70.215, 116.376**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 50.589, 309.388**, and **37, 80.801, 304.887** is the 20% darker color. If you saturate the color by 10%, you get **50, 95.769, 305.845**, and if you desaturate by 10%, it is **64, 65.364, 303.644**.

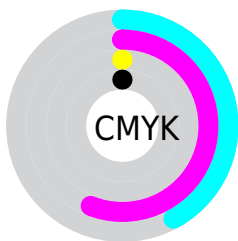
Distribution



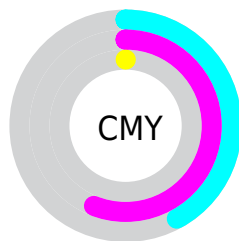
- Red (58%)
- Green (44%)
- Blue (100%)



- Red (58%)
- Yellow (44%)
- Blue (100%)



- Cyan (42%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 80.679, 304.745 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 57, 80.679, 304.745 by changing the saturation by 10% instead.


 57, 80.679,
304.745


 57, 80.679,
304.745


 100, 80.679,
304.745


 47, 80.679,
304.745


 77, 80.679,
304.745

 37, 80.679,
304.745

 87, 80.679,
304.745

 27, 80.679,
304.745

 97, 80.679,
304.745

 17, 80.679,
304.745

 7, 80.679, 304.745

 0, 80.679, 304.745

57, 80.679,
304.745

57, 80.679,
304.745

50, 95.769,
305.845

64, 65.364,
303.644

44, 109.774,
306.816

72, 50.274,
302.610

39, 121.302,
307.467

80, 35.610,
301.675

35, 128.754,
307.591

87, 21.447,
300.847

34, 130.813,
307.541

95, 7.800, 300.122

100, 0.574,
110.000

Harmonies

Complementary

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



57, 80.679, 304.745



95, 70.215, 116.376

Rectangle

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



57, 80.679, 304.745



57, 80.679, 354.745



57, 80.679, 124.745



57, 80.679, 174.745

Sweetspot

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



57, 80.678, 304.746



87, 23.093, 300.935



83, 33.910, 229.082



45, 15.504, 301.095



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



57, 80.678, 304.746



50, 97.771, 305.965



64, 82.366, 319.047



49, 7.617, 300.374



25, 105.529, 307.672



4, 44.649, 306.488

Inverse Universe

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



68, 72.222, 336.300



64, 83.161, 337.321



91, 79.732, 133.767



50, 7.630, 332.772



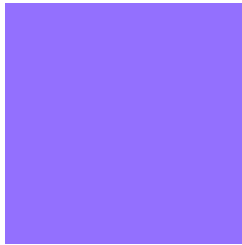
43, 77.079, 341.114



11, 36.221, 339.192

Previews

White Background



This preview shows how the CIELCh color 57, 80.679, 304.745 looks on a white background.

Color Contrast Check

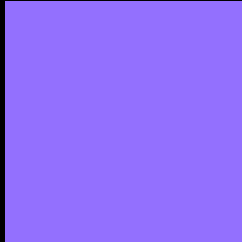
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIE LCh color 57, 80.679, 304.745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

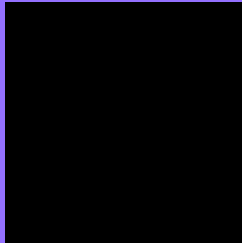
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 80.679, 304.745

Background



This preview shows how black text looks on a background with the CIELCh color 57, 80.679, 304.745.



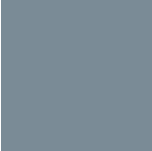
This preview shows how white text looks on a background with the CIELCh color 57, 80.679, 304.745.

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
57, 8.720, 245.244

Trichromacy



Original Color
57, 80.757, 304.768



Protanomaly
57, 73.815, 293.460



Deuteranomaly
55, 69.074, 285.659



Tritanomaly
56, 33.819, 295.143

Monochromacy



Original Color
57, 80.757, 304.768



Achromatopsia
58, 0.007, 296.813



Achromatomaly
57, 30.170, 302.021

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 80.679, 304.745 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(147, 112, 254)` looks like.

```
.text, #text, p{  
    color:rgb(147, 112, 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(147, 112, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 112, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 80.679, 304.745 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(147, 112, 254) }
```

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

```
.border{ border-color:rgb(147, 112, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 112, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 112, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 112, 254);  
box-shadow:4px 4px 4px 4px rgb(147, 112,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 80.679, 304.745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 112, 254) }
```

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

```
.background{ background-color: rgb(147,  
112, 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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