

Converting Colors

CIELCh(68, 45.496, 278.407)

Have a look what the booklet for
CIELCh(68, 45.496, 278.407)
contains.

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Color

CIELCh(68, 45.644, 278.562)

Conversions

Conversions Part 1

Format	Color
Hex	78A6F7
RGB	120, 166, 247
RGB Percent	47%, 65%, 97%
CMY	0.5295, 0.3491, 0.0314
CMYK	0.51, 0.33, 0.00, 0.03
HSL	218°, 89%, 72%
HSV	218°, 51%, 97%
XYZ	38.1618, 37.9720, 93.2989
YIQ	161.4800, -53.4170, 15.4390

Conversions

Conversions Part 2

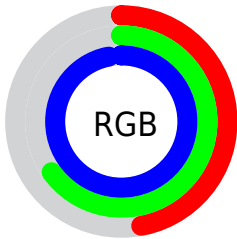
Format	Color
R _Y B	120, 154, 247
Decimal	7907063
CIE Lab	68.00, 6.80, -45.14
CIE LCh	68, 45.644, 278.562
Yxy	37.9720, 0.2252, 0.2241
Android (android.graphics.Color)	4286097143 (0xFF78A6F7)
YUV	161.4800, 42.1614, -36.3780
Hunter-Lab	61.6215, 2.7064, -46.6339

Details

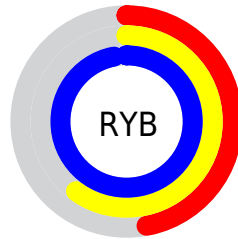
The CIELCh color **68, 45.644, 278.562** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **83, 46.803, 81.777**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.999, 253.395**, and **48, 45.266, 278.234** is the 20% darker color. If you saturate the color by 10%, you get **63, 54.937, 281.535**, and if you desaturate by 10%, it is **74, 36.521, 275.989**.

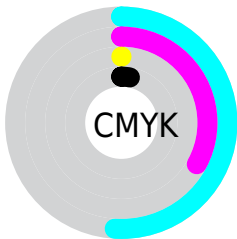
Distribution



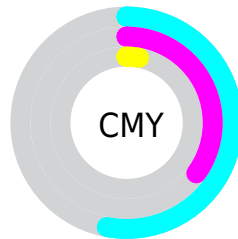
- Red (47%)
- Green (65%)
- Blue (97%)



- Red (47%)
- Yellow (60%)
- Blue (97%)



- Cyan (51%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)





- Cyan (53%)
- Magenta (35%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 45.644, 278.562 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 68, 45.644, 278.562 by changing the saturation by 10% instead.


 68, 45.644,
278.562

 68, 45.644,
278.562


 100, 45.644,
278.562


 58, 45.644,
278.562


 88, 45.644,
278.562

 48, 45.644,
278.562

 98, 45.644,
278.562

 38, 45.644,
278.562

 28, 45.644,
278.562

 18, 45.644,
278.562

 8, 45.644, 278.562

 0, 45.644, 278.562

68, 45.644,
278.562

68, 45.644,
278.562

63, 54.937,
281.535

74, 36.521,
275.989

57, 64.453,
284.898

79, 27.534,
273.787

52, 74.227,
288.577

85, 18.660,
271.913

48, 84.222,
292.414

91, 9.892, 270.326

44, 92.843,
295.604

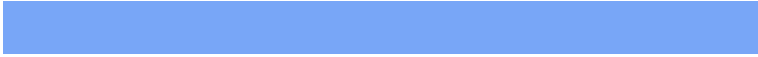
96, 1.230, 269.173

100, 4.054,
109.856

Harmonies

Complementary

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



68, 45.644, 278.562



83, 46.803, 81.777

Rectangle

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



68, 45.644, 278.562



68, 45.644, 328.562



68, 45.644, 98.562



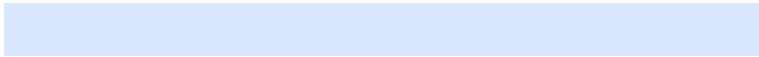
68, 45.644, 148.562

Sweetspot

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



68, 45.643, 278.562



91, 13.362, 270.867



89, 47.563, 165.775



47, 9.127, 271.200



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



68, 45.643, 278.562



64, 56.943, 281.754



58, 72.148, 301.196



48, 4.883, 270.050



33, 73.701, 294.927



8, 28.153, 288.888

Inverse Universe

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



66, 53.284, 358.550



63, 64.786, 0.983



94, 62.811, 111.541



48, 5.664, 352.631



39, 67.559, 15.345



9, 29.615, 6.922

Previews

White Background



This preview shows how the CIELCh color 68, 45.644, 278.562 looks on a white background.

Color Contrast Check

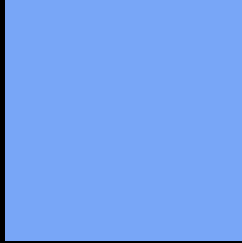
Large Text (above 18pt) WCAG AA × Fail

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 68, 45.644, 278.562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

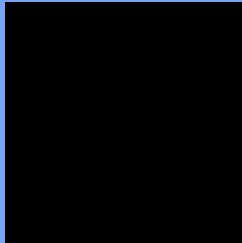
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

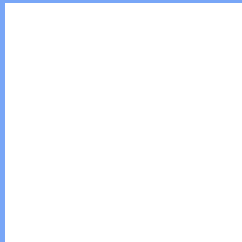
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 45.644, 278.562

Background



This preview shows how black text looks on a background with the CIELCh color 68, 45.644, 278.562.



This preview shows how white text looks on a background with the CIELCh color 68, 45.644, 278.562.

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



Original Color

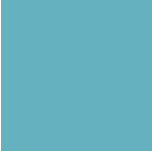
68, 45.644, 278.562

Protanopia

68, 45.393, 285.864

Deuteranopia

68, 46.330, 281.844



Tritanopia
68, 24.508, 216.172

Trichromacy



Original Color
68, 45.644, 278.562

Protanomaly
68, 45.637, 283.210

Deuteranomaly
68, 45.949, 280.350

Tritanomaly
68, 27.728, 247.889

Monochromacy



Original Color
68, 45.644, 278.562

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 16.888, 271.677

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 45.644, 278.562 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(120, 166, 247)` looks like.

```
.text, #text, p{  
    color:rgb(120, 166, 247)  
}
```

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(120, 166, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 166, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 45.644, 278.562 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(120, 166, 247) }
```

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

```
.border{ border-color:rgb(120, 166, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 166, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 166, 247); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 166, 247); box-shadow:4px 4px 4px 4px rgb(120, 166, 247) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 45.644, 278.562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 166, 247) }
```

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

```
.background{ background-color: rgb(120,  
166, 247) }
```

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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