

Converting Colors

CIELCh(68, 46.157, 278.844)

Have a look what the booklet for
CIELCh(68, 46.157, 278.844)
contains.

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Color

CIELCh(68, 46.157, 278.844)

Conversions

Conversions Part 1

Format	Color
Hex	78A6F8
RGB	120, 166, 248
RGB Percent	47%, 65%, 97%
CMY	0.5300, 0.3496, 0.0280
CMYK	0.52, 0.33, 0.00, 0.03
HSL	218°, 90%, 72%
HSV	218°, 52%, 97%
XYZ	38.2553, 37.9720, 93.9974
YIQ	161.5940, -53.7380, 15.7500

Conversions

Conversions Part 2

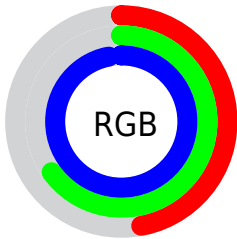
Format	Color
R _Y B	120, 154, 248
Decimal	7907064
CIE Lab	68.00, 7.10, -45.61
CIE LCh	68, 46.157, 278.844
Yxy	37.9720, 0.2247, 0.2231
Android (android.graphics.Color)	4286097144 (0xFF78A6F8)
YUV	161.5940, 42.5982, -36.4779
Hunter-Lab	61.6215, 2.9772, -47.3060

Details

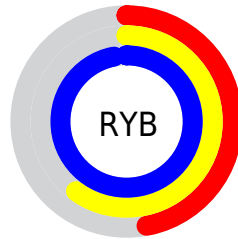
The CIELCh color **68, 46.157, 278.844** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **84, 47.226, 81.978**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **86, 21.999, 253.395**, and **48, 45.841, 278.388** is the 20% darker color. If you saturate the color by 10%, you get **63, 55.530, 281.821**, and if you desaturate by 10%, it is **74, 36.961, 276.266**.

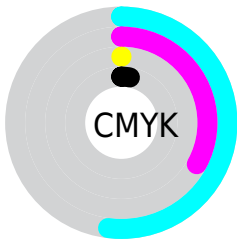
Distribution



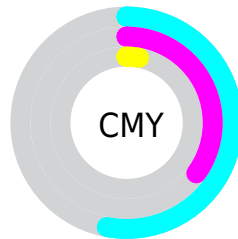
- Red (47%)
- Green (65%)
- Blue (97%)



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



- Cyan (52%)
- Magenta (33%)
- Yellow (0%)
- Black (3%)



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 46.157, 278.844 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, 46.157, 278.844 by changing the saturation by 10% instead.

 68, 46.157,
278.844

 68, 46.157,
278.844


 100, 46.157,
278.844

 58, 46.157,
278.844

 88, 46.157,
278.844

 48, 46.157,
278.844

 98, 46.157,
278.844

 38, 46.157,
278.844

 28, 46.157,
278.844

 18, 46.157,
278.844

 8, 46.157, 278.844

 0, 46.157, 278.844

68, 46.157,
278.844

68, 46.157,
278.844

63, 55.530,
281.821

74, 36.961,
276.266

57, 65.133,
285.185

79, 27.907,
274.059

52, 74.998,
288.860

85, 18.971,
272.180

48, 85.078,
292.685

91, 10.146,
270.587

44, 93.533,
295.775

97, 1.432, 269.396

100, 3.615,
109.887

Harmonies

Complementary

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



68, 46.157, 278.844



84, 47.226, 81.978

Rectangle

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



68, 46.157, 278.844



68, 46.157, 328.844



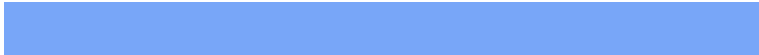
68, 46.157, 98.844



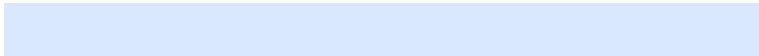
68, 46.157, 148.844

Sweetspot

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



68, 46.156, 278.845



91, 13.402, 271.095



90, 47.876, 165.742



47, 9.155, 271.428



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, 46.156, 278.845



64, 57.175, 281.965



58, 72.698, 301.232



49, 4.981, 270.281



34, 74.868, 295.131



8, 29.329, 289.465

Inverse Universe

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



67, 53.611, 358.793



63, 64.747, 1.188



94, 63.236, 111.526



49, 5.752, 352.810



40, 68.316, 15.664



9, 30.458, 7.724

Previews

White Background



This preview shows how the CIELCh color 68, 46.157, 278.844 looks on a white background.

Color Contrast Check

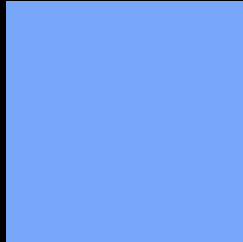
Large Text (above 18pt) WCAG AA × Fail

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, 46.157, 278.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

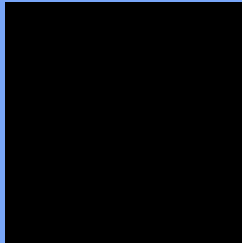
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

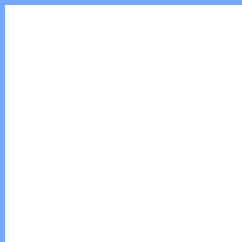
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 46.157, 278.844

Background



This preview shows how black text looks on a background with the CIELCh color 68, 46.157, 278.844.



This preview shows how white text looks on a background with the CIELCh color 68, 46.157, 278.844.

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

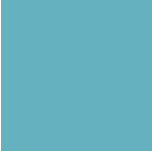
68, 46.157, 278.844

Protanopia

68, 45.959, 285.712

Deuteranopia

68, 46.853, 282.079



Tritanopia
68, 24.508, 216.172

Trichromacy



Original Color
68, 46.157, 278.844

Protanomaly
68, 46.166, 283.426

Deuteranomaly
68, 46.468, 280.607

Tritanomaly
68, 28.081, 248.810

Monochromacy



Original Color
68, 46.157, 278.844

Achromatopsia
66, 0.008, 296.813

Achromatomaly
67, 17.401, 272.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 46.157, 278.844 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(120, 166, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 166, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 46.157, 278.844 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, 248) }
```

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

```
.border{ border-color:rgb(120, 166, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 166, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 166, 248);  
box-shadow:4px 4px 4px 4px rgb(120, 166,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 46.157, 278.844 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, 248) }
```

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

```
.background{ background-color: rgb(120,  
166, 248) }
```

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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