

Converting Colors

CIELCh(67, 48.390, 280.452)

Have a look what the booklet for
CIELCh(67, 48.390, 280.452)
contains.

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Color

CIELCh(67, 48.820, 280.930)

Conversions

Conversions Part 1

Format	Color
Hex	76A2F9
RGB	118, 162, 249
RGB Percent	46%, 64%, 98%
CMY	0.5363, 0.3639, 0.0227
CMYK	0.53, 0.35, 0.00, 0.02
HSL	220°, 92%, 72%
HSV	220°, 53%, 98%
XYZ	37.5908, 36.6320, 94.8917
YIQ	158.7620, -54.1510, 17.7290

Conversions

Conversions Part 2

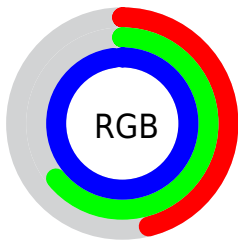
Format	Color
R _Y B	118, 151, 249
Decimal	7774969
CIE Lab	67.00, 9.26, -47.93
CIE LCh	67, 48.820, 280.930
Yxy	36.6320, 0.2223, 0.2166
Android (android.graphics.Color)	4285965049 (0xFF76A2F9)
YUV	158.7620, 44.4873, -35.7483
Hunter-Lab	60.5244, 4.9460, -50.5894

Details

The CIELCh color `67, 48.820, 280.930` is a light color, and the websafe version is hex `6699FF`. A complement of this color would be `85, 49.027, 83.860`, and the grayscale version is `65, 0.008, 296.813`.

A 20% lighter version of the original color is `85, 23.206, 258.873`, and `47, 48.711, 280.760` is the 20% darker color. If you saturate the color by 10%, you get `61, 58.691, 283.893`, and if you desaturate by 10%, it is `73, 39.177, 278.355`.

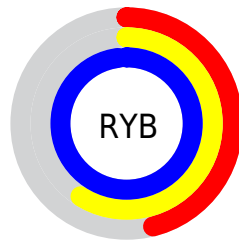
Distribution



Red (46%)

Green (64%)

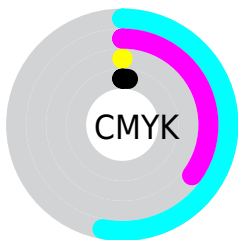
Blue (98%)



Red (46%)

Yellow (59%)

Blue (98%)

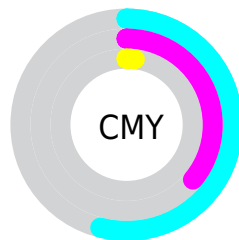


Cyan (53%)

Magenta (35%)

Yellow (0%)

Black (2%)



Cyan (54%)

Magenta (36%)

Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 48.820, 280.930 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 67, 48.820, 280.930 by changing the saturation by 10% instead.

■ 67, 48.820,
280.930

■ 67, 48.820,
280.930

■ 100, 48.820,
280.930

■ 57, 48.820,
280.930

■ 87, 48.820,
280.930

■ 47, 48.820,
280.930

■ 97, 48.820,
280.930

■ 37, 48.820,
280.930

■ 27, 48.820,
280.930

■ 17, 48.820,
280.930

■ 7, 48.820, 280.930

■ 0, 48.820, 280.930

67, 48.820,
280.930

67, 48.820,
280.930

61, 58.691,
283.893

73, 39.177,
278.355

56, 68.837,
287.220

79, 29.724,
276.145

51, 79.259,
290.823

85, 20.434,
274.261

46, 89.844,
294.524

91, 11.291,
272.660

43, 97.654,
297.149

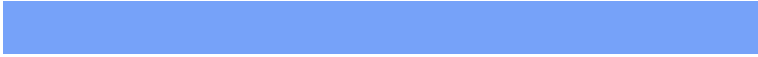
96, 2.291, 271.381

100, 2.920,
109.933

Harmonies

Complementary

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



67, 48.820, 280.930



85, 49.027, 83.860

Rectangle

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



67, 48.820, 280.930



67, 48.820, 330.930



67, 48.820, 100.930



67, 48.820, 150.930

Sweetspot

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



67, 48.819, 280.931



90, 14.691, 273.184



90, 48.105, 166.690



47, 9.934, 273.511



0, 0.000, 0.000



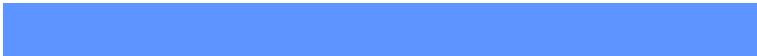
53, 0.007, 296.813

Same Dimension

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



67, 48.819, 280.931



62, 60.247, 284.056



57, 74.430, 301.804



49, 5.111, 272.223



32, 77.833, 296.524



8, 30.481, 291.061

Inverse Universe

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



66, 54.388, 0.708



63, 65.338, 3.260



94, 64.640, 112.235



49, 5.677, 354.380



40, 68.884, 17.916



9, 30.485, 9.527

Previews

White Background



This preview shows how the CIE LCh color 67, 48.820, 280.930 looks on a white background.

Color Contrast Check

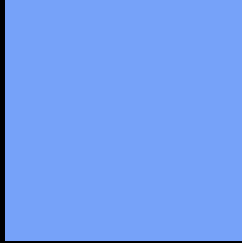
Large Text (above 18pt) WCAG AA × Fail

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 67, 48.820, 280.930 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

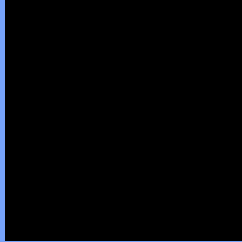
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

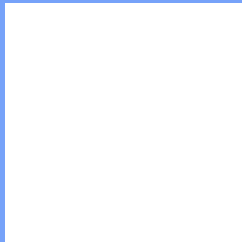
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 48.820, 280.930

Background



This preview shows how black text looks on a background with the CIELCh color 67, 48.820, 280.930.



This preview shows how white text looks on a background with the CIELCh color 67, 48.820, 280.930.

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

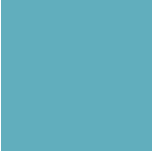
67, 48.820, 280.930

Protanopia

67, 48.841, 286.095

Deuteranopia

67, 48.776, 281.197



Tritanopia
67, 24.799, 217.356

Trichromacy



Original Color
67, 48.820, 280.930

Protanomaly
67, 48.993, 284.297

Deuteranomaly
67, 48.776, 281.197

Tritanomaly
67, 28.832, 250.761

Monochromacy



Original Color
67, 48.820, 280.930

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 18.402, 274.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 48.820, 280.930 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(118, 162, 249)` looks like.

```
.text, #text, p{  
    color:rgb(118, 162, 249)  
}
```

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(118, 162, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 162, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 48.820, 280.930 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(118, 162, 249) }
```

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

```
.border{ border-color:rgb(118, 162, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 162, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(118, 162, 249); -webkit-box-shadow:4px 4px 4px 4px rgb(118, 162, 249); box-shadow:4px 4px 4px 4px rgb(118, 162, 249) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 48.820, 280.930 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 162, 249) }
```

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

```
.background{ background-color: rgb(118,  
162, 249) }
```

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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