

Converting Colors

CIELCh(69, 48.709, 283.597)

Have a look what the booklet for
CIELCh(69, 48.709, 283.597)
contains.

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Color

CIELCh(69, 48.738, 283.735)

Conversions

Conversions Part 1

Format	Color
Hex	84A6FE
RGB	132, 166, 254
RGB Percent	52%, 65%, 100%
CMY	0.4822, 0.3489, 0.0038
CMYK	0.48, 0.35, 0.00, 0.00
HSL	223°, 98%, 76%
HSV	223°, 48%, 100%
XYZ	41.0521, 39.3444, 99.2149
YIQ	165.8660, -48.5120, 20.1600

Conversions

Conversions Part 2

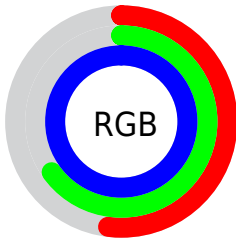
Format	Color
R _Y B	132, 159, 254
Decimal	8693502
CIE Lab	69.00, 11.57, -47.34
CIE LCh	69, 48.738, 283.735
Yxy	39.3444, 0.2286, 0.2191
Android (android.graphics.Color)	4286883582 (0xFF84A6FE)
YUV	165.8660, 43.4501, -29.7005
Hunter-Lab	62.7251, 7.0552, -49.8739

Details

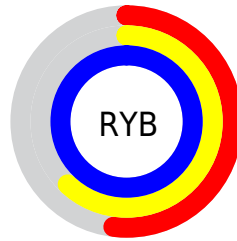
The CIELCh color **69, 48.738, 283.735** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **89, 47.353, 89.047**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 20.107, 261.815**, and **49, 48.547, 283.518** is the 20% darker color. If you saturate the color by 10%, you get **63, 59.687, 286.411**, and if you desaturate by 10%, it is **75, 38.105, 281.417**.

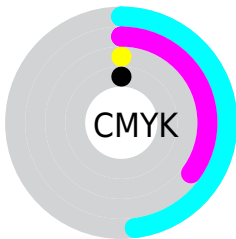
Distribution



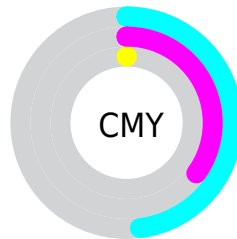
- Red (52%)
- Green (65%)
- Blue (100%)



- Red (52%)
- Yellow (62%)
- Blue (100%)



- Cyan (48%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (48%)
- Magenta (35%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 48.738, 283.735 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 69, 48.738, 283.735 by changing the saturation by 10% instead.


 69, 48.738,
283.735

 69, 48.738,
283.735


 100, 48.738,
283.735

 59, 48.738,
283.735


 89, 48.738,
283.735

 49, 48.738,
283.735

 99, 48.738,
283.735

 39, 48.738,
283.735

 29, 48.738,
283.735

 19, 48.738,
283.735

 9, 48.738, 283.735

 0, 48.738, 283.735

■ 69, 48.738,
283.735

■ 69, 48.738,
283.735

■ 63, 59.687,
286.411

■ 75, 38.105,
281.417

■ 57, 70.984,
289.433

■ 82, 27.753,
279.429

■ 51, 82.599,
292.730

■ 88, 17.650,
277.734

■ 46, 94.343,
296.142

■ 95, 7.777, 276.298

■ 41, 105.743,
299.415

100, 0.484,
109.982

■ 41, 107.902,
299.997

Harmonies

Complementary

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



69, 48.738, 283.735



89, 47.353, 89.047

Rectangle

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



69, 48.738, 283.735



69, 48.738, 333.735



69, 48.738, 103.735



69, 48.738, 153.735

Sweetspot

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



69, 48.737, 283.735



91, 13.692, 277.126



92, 42.751, 171.949



47, 9.475, 277.447



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



69, 48.737, 283.735



63, 59.846, 286.407



62, 68.628, 303.039



50, 5.535, 276.495



30, 85.696, 299.447



7, 34.374, 294.637

Inverse Universe

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



70, 49.897, 3.960



65, 60.195, 6.286



96, 60.980, 115.487



50, 5.608, 358.312



40, 71.458, 23.165



10, 31.555, 14.195

Previews

White Background



This preview shows how the CIELCh color 69, 48.738, 283.735 looks on a white background.

Color Contrast Check

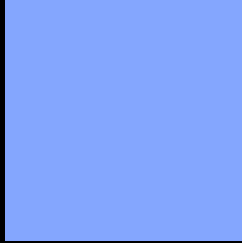
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 69, 48.738, 283.735 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

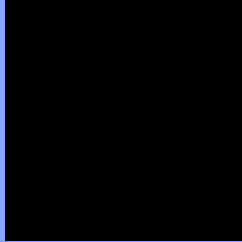
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 48.738, 283.735

Background



This preview shows how black text looks on a background with the CIELCh color 69, 48.738, 283.735.



This preview shows how white text looks on a background with the CIELCh color 69, 48.738, 283.735.

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

69, 48.738, 283.735

Protanopia

69, 48.574, 285.547

Deuteranopia

69, 48.413, 281.762



Tritanopia
69, 21.740, 220.391

Trichromacy



Original Color
69, 48.738, 283.735

Protanomaly
69, 48.641, 284.950

Deuteranomaly
69, 48.327, 282.328

Tritanomaly
69, 27.037, 255.638

Monochromacy



Original Color
69, 48.738, 283.735

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 17.978, 278.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 48.738, 283.735 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(132, 166, 254)` looks like.

```
.text, #text, p{  
    color:rgb(132, 166, 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(132, 166, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 166, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 48.738, 283.735 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(132, 166, 254) }
```

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

```
.border{ border-color:rgb(132, 166, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 166, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 166, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 166, 254);  
box-shadow:4px 4px 4px 4px rgb(132, 166,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 48.738, 283.735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 166, 254) }
```

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

```
.background{ background-color: rgb(132,  
166, 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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