

Converting Colors

CIELCh(69, 45.535, 250.599)

Have a look what the booklet for
CIELCh(69, 45.535, 250.599)
contains.

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Color

CIELCh(69, 45.415, 250.417)

Conversions

Conversions Part 1

Format	Color
Hex	05B4F5
RGB	5, 180, 245
RGB Percent	2%, 71%, 96%
CMY	0.9798, 0.2935, 0.0385
CMYK	0.98, 0.27, 0.00, 0.04
HSL	196°, 96%, 49%
HSV	196°, 98%, 96%
XYZ	32.9256, 39.3444, 92.3838
YIQ	135.0850, -125.1650, -16.8850

Conversions

Conversions Part 2

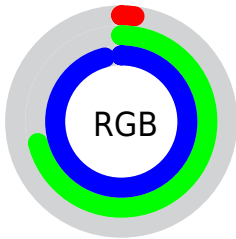
Format	Color
RYB	5, 106, 245
Decimal	374005
CIELab	69.00, -15.22, -42.79
CIELCh	69, 45.415, 250.417
Yxy	39.3444, 0.2000, 0.2390
Android (android.graphics.Color)	4278564085 (0xFF05B4F5)
YUV	135.0850, 54.1881, -114.0845
Hunter-Lab	62.7251, -16.0708, -43.4169

Details

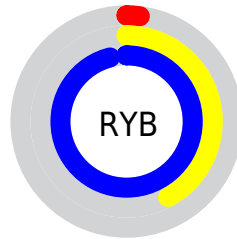
The CIELCh color **69, 45.415, 250.417** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **56, 92.307, 45.734**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.536, 213.740**, and **50, 40.590, 260.609** is the 20% darker color. If you saturate the color by 10%, you get **69, 45.848, 251.433**, and if you desaturate by 10%, it is **71, 43.346, 245.670**.

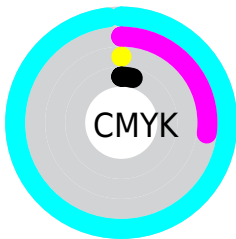
Distribution



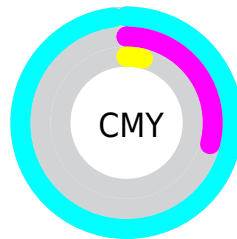
- Red (2%)
- Green (71%)
- Blue (96%)



- Red (2%)
- Yellow (42%)
- Blue (96%)



- Cyan (98%)
- Magenta (27%)
- Yellow (0%)
- Black (4%)





- Cyan (98%)
- Magenta (29%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 45.415, 250.417 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, 45.415, 250.417 by changing the saturation by 10% instead.


 69, 45.415,
250.417

 69, 45.415,
250.417


 100, 45.415,
250.417


 59, 45.415,
250.417


 89, 45.415,
250.417

 49, 45.415,
250.417


 99, 45.415,
250.417

 39, 45.415,
250.417

 29, 45.415,
250.417

 19, 45.415,
250.417

 9, 45.415, 250.417

 0, 45.415, 250.417

■ 69, 45.415,
250.417

■ 69, 45.415,
250.417

■ 69, 45.848,
251.433

■ 71, 43.346,
245.670

■ 73, 40.866,
241.578

■ 76, 37.775,
238.192

■ 78, 33.980,
235.461

■ 81, 29.468,
233.294

■ 84, 24.284,
231.596

■ 87, 18.504,
230.281

■ 91, 12.221,

229.276

■ 94, 5.527, 228.551

Harmonies

Complementary

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



69, 45.415, 250.417



56, 92.307, 45.734

Rectangle

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



69, 45.415, 250.417



69, 45.415, 300.417



69, 45.415, 70.417



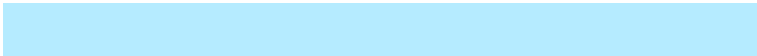
69, 45.415, 120.417

Sweetspot

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



69, 45.414, 250.418



90, 19.781, 230.416



85, 104.981, 140.193



47, 13.380, 230.953



0, 0.000, 0.000



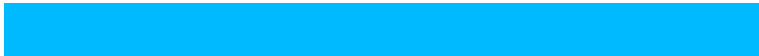
53, 0.007, 296.813

Same Dimension

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



69, 45.414, 250.418



71, 47.271, 251.547



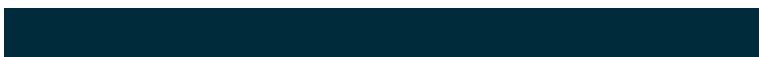
38, 108.908, 301.220



49, 3.956, 228.643



53, 37.052, 250.511



16, 15.815, 243.138

Inverse Universe

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



55, 91.018, 342.763



57, 93.755, 343.166



80, 81.355, 84.940



48, 7.248, 333.736



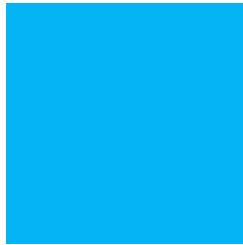
42, 74.270, 342.798



10, 33.854, 340.375

Previews

White Background



This preview shows how the CIE LCh color 69, 45.415, 250.417 looks on a white background.

Color Contrast Check

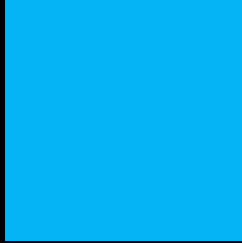
Large Text (above 18pt) WCAG AA × Fail

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, 45.415, 250.417 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

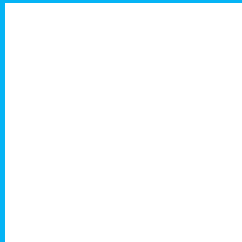
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 45.415, 250.417

Background



This preview shows how black text looks on a background with the CIELCh color 69, 45.415, 250.417.

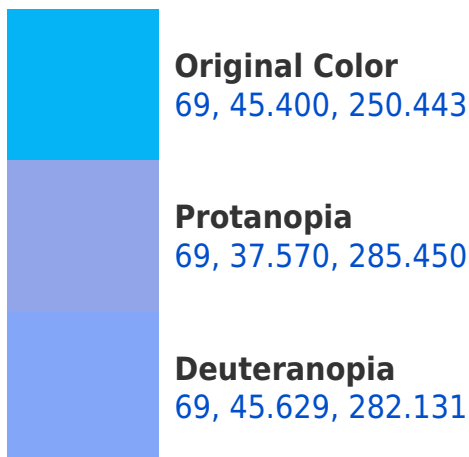


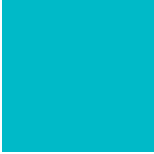
This preview shows how white text looks on a background with the CIELCh color 69, 45.415, 250.417.

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
69, 38.175, 208.421

Trichromacy



Original Color
69, 45.400, 250.443



Protanomaly
68, 40.340, 264.004



Deuteranomaly
68, 45.564, 266.580



Tritanomaly
69, 38.406, 224.633

Monochromacy



Original Color
69, 45.400, 250.443



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 23.193, 234.202

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 45.415, 250.417 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(5, 180, 245)` looks like.

```
.text, #text, p{  
    color:rgb(5, 180, 245)  
}
```

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(5, 180, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 180, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 45.415, 250.417 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(5, 180, 245) }
```

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

```
.border{ border-color:rgb(5, 180, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 180, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 180, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 180, 245);  
box-shadow:4px 4px 4px 4px rgb(5, 180,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 45.415, 250.417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 180, 245) }
```

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

```
.background{ background-color: rgb(5, 180,  
245) }
```

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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