

Converting Colors

CIELCh(67, 54.540, 238.480)

Have a look what the booklet for
CIELCh(67, 54.540, 238.480)
contains.

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Color

CIELCh(69, 45.555, 250.106)

Conversions

Conversions Part 1

Format	Color
Hex	00B4F5
RGB	0, 180, 245
RGB Percent	0%, 71%, 96%
CMY	1.0000, 0.2929, 0.0382
CMYK	1.00, 0.26, 0.00, 0.04
HSL	196°, 100%, 48%
HSV	196°, 100%, 96%
XYZ	32.8470, 39.3444, 92.4546
YIQ	133.5900, -128.1450, -17.9450

Conversions

Conversions Part 2

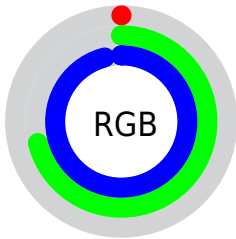
Format	Color
RYB	0, 104, 245
Decimal	46325
CIELab	69.00, -15.50, -42.84
CIELCh	69, 45.555, 250.106
Yxy	39.3444, 0.1995, 0.2390
Android (android.graphics.Color)	4278236405 (0xFF00B4F5)
YUV	133.5900, 54.9251, -117.1584
Hunter-Lab	62.7251, -16.2945, -43.4838

Details

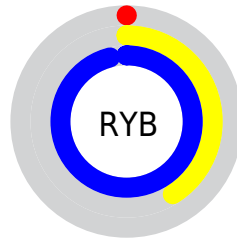
The CIELCh color **69, 45.555, 250.106** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **55, 94.100, 45.320**, and the grayscale version is **56, 0.007, 296.813**.

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, 45.485, 250.221**, and if you desaturate by 10%, it is **71, 43.550, 245.461**.

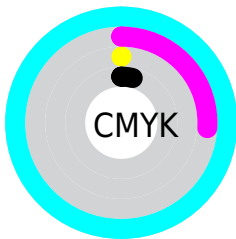
Distribution



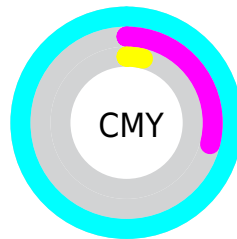
- Red (0%)
- Green (71%)
- Blue (96%)



- Red (0%)
- Yellow (41%)
- Blue (96%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (29%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 45.555, 250.106 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, 45.555, 250.106 by changing the saturation by 10% instead.

 69, 45.555,
250.106


 69, 45.555,
250.106


 100, 45.555,
250.106


 59, 45.555,
250.106


 89, 45.555,
250.106

 49, 45.555,
250.106

 99, 45.555,
250.106

 39, 45.555,
250.106

 29, 45.555,
250.106

 19, 45.555,
250.106

 9, 45.555, 250.106

 0, 45.555, 250.106

■ 69, 45.555,
250.106

■ 69, 45.555,
250.106

■ 69, 45.485,
250.221

■ 71, 43.550,
245.461

■ 73, 41.265,
241.285

■ 76, 38.380,
237.818

■ 78, 34.785,
235.015

■ 81, 30.455,
232.790

■ 84, 25.427,
231.048

■ 87, 19.775,
229.699

■ 90, 13.591,

228.669

■ 93, 6.971, 227.913

Harmonies

Complementary

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



69, 45.555, 250.106



55, 94.100, 45.320

Rectangle

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



69, 45.555, 250.106



69, 45.555, 300.106



69, 45.555, 70.106



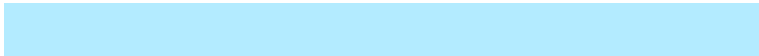
69, 45.555, 120.106

Sweetspot

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



69, 45.485, 250.221



90, 20.405, 229.707



85, 107.226, 139.404



47, 13.719, 230.235



0, 0.000, 0.000



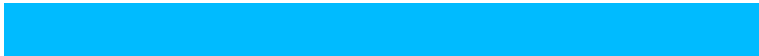
53, 0.007, 296.813

Same Dimension

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



69, 45.485, 250.221



72, 46.882, 250.332



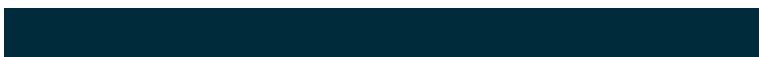
38, 108.901, 301.133



49, 3.961, 227.882



53, 36.765, 249.307



16, 15.741, 242.032

Inverse Universe

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



55, 91.439, 342.697



57, 94.142, 342.736



78, 81.286, 83.010



48, 7.279, 333.501



42, 74.574, 342.381



10, 33.981, 340.036

Previews

White Background



This preview shows how the CIE LCh color 69, 45.555, 250.106 looks on a white background.

Color Contrast Check

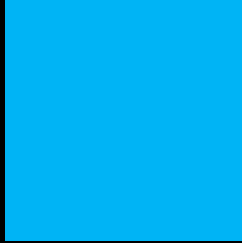
Large Text (above 18pt) WCAG AA × Fail

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, 45.555, 250.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

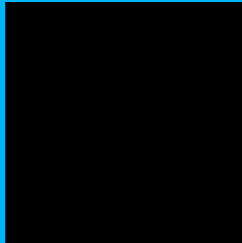
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

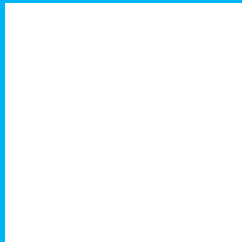
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 69, 45.555, 250.106

Background



This preview shows how black text looks on a background with the CIELCh color 69, 45.555, 250.106.



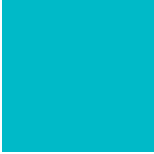
This preview shows how white text looks on a background with the CIELCh color 69, 45.555, 250.106.

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, 45.477, 250.314



Protanomaly
68, 40.424, 263.752



Deuteranomaly
68, 46.146, 266.641



Tritanomaly
69, 38.456, 224.590

Monochromacy



Original Color
69, 45.477, 250.314



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 23.551, 231.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 45.555, 250.106 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(0, 180, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 180, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 45.555, 250.106 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(0, 180, 245) }
```

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

```
.border{ border-color:rgb(0, 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(0, 180, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 45.555, 250.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 245) }
```

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

```
.background{ background-color: rgb(0, 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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