

# Converting Colors

CIELCh(69, 45.902, 250.627)

Have a look what the booklet for  
CIELCh(69, 45.902, 250.627)  
contains.

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# Color

**CIELCh(69, 45.806, 250.931)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01B4F6
RGB	1, 180, 246
RGB Percent	0%, 71%, 96%
CMY	0.9973, 0.2937, 0.0349
CMYK	1.00, 0.27, 0.00, 0.03
HSL	196°, 99%, 48%
HSV	196°, 100%, 97%
XYZ	32.9979, 39.3444, 93.1240
YIQ	134.0030, -127.8700, -17.4220

# Conversions

## Conversions Part 2

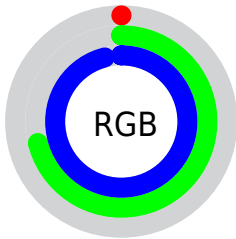
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 104, 246
Decimal	111862
CIE Lab	69.00, -14.97, -43.29
CIE LCh	69, 45.806, 250.931
Yxy	39.3444, 0.1994, 0.2378
Android (android.graphics.Color)	4278301942 (0xFF01B4F6)
YUV	134.0030, 55.2145, -116.6436
Hunter-Lab	62.7251, -15.8652, -44.1166

# Details

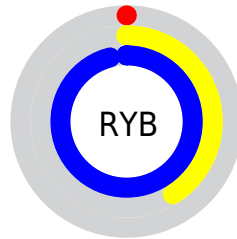
The CIELCh color **69, 45.806, 250.931** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **56, 93.953, 45.500**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 35.536, 213.740**, and **51, 41.016, 261.252** is the 20% darker color. If you saturate the color by 10%, you get **69, 45.863, 251.068**, and if you desaturate by 10%, it is **71, 43.788, 246.137**.

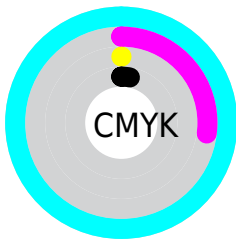
# Distribution



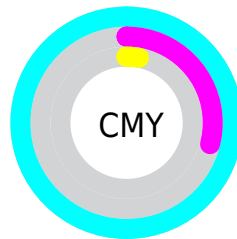
- Red (0%)
- Green (71%)
- Blue (96%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (3%)




- Cyan (100%)
- Magenta (29%)
- Yellow (3%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 45.806, 250.931 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, 45.806, 250.931 by changing the saturation by 10% instead.





 69, 45.806,  
250.931


 69, 45.806,  
250.931


 100, 45.806,  
250.931


 59, 45.806,  
250.931


 89, 45.806,  
250.931

 49, 45.806,  
250.931

 99, 45.806,  
250.931

 39, 45.806,  
250.931

 29, 45.806,  
250.931

 19, 45.806,  
250.931

 9, 45.806, 250.931

 0, 45.806, 250.931

■ 69, 45.806,  
250.931

■ 69, 45.806,  
250.931

■ 69, 45.863,  
251.068

■ 71, 43.788,  
246.137

■ 73, 41.423,  
241.934

■ 76, 38.465,  
238.441

■ 78, 34.807,  
235.613

■ 81, 30.421,  
233.366

■ 84, 25.346,  
231.604

■ 87, 19.654,  
230.237

■ 90, 13.438,

229.190

■ 94, 6.791, 228.420

# Harmonies

# Complementary

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



69, 45.806, 250.931



56, 93.953, 45.500

# Rectangle

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



69, 45.806, 250.931



69, 45.806, 300.931



69, 45.806, 70.931



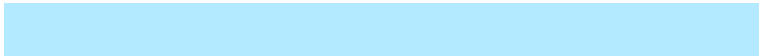
69, 45.806, 120.931

# Sweetspot

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



69, 45.805, 250.932



90, 20.398, 230.278



85, 106.282, 139.878



46, 13.717, 230.817



0, 0.000, 0.000



53, 0.007, 296.813



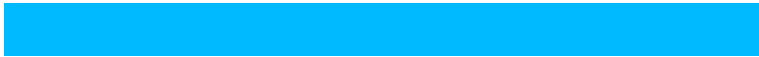


# Same Dimension

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



69, 45.805, 250.932



71, 47.147, 251.170



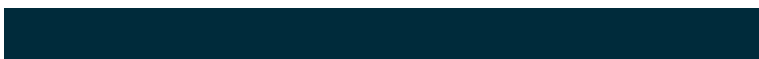
37, 111.154, 301.697



49, 3.957, 228.406



53, 36.961, 250.137



16, 15.791, 242.794



# Inverse Universe

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



55, 91.411, 342.947



57, 93.875, 343.031



80, 81.898, 84.600



48, 7.257, 333.663



42, 74.364, 342.668



10, 33.894, 340.269



# Previews

## White Background



This preview shows how the CIE LCh color 69, 45.806, 250.931 looks on a white background.

## Color Contrast Check

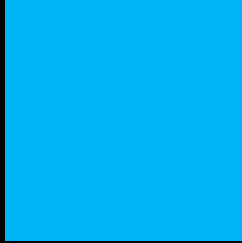
Large Text (above 18pt) WCAG AA × Fail

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, 45.806, 250.931 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

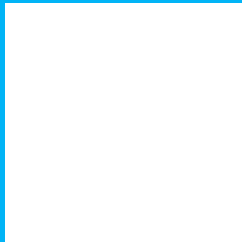
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 69, 45.806, 250.931

## Background



This preview shows how black text looks on a background with the CIELCh color 69, 45.806, 250.931.



This preview shows how white text looks on a background with the CIELCh color 69, 45.806, 250.931.

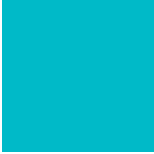
# Color Blindness Simulation

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, 45.791, 250.957



**Protanomaly**  
67, 41.331, 264.854



**Deuteranomaly**  
68, 46.146, 266.641



**Tritanomaly**  
69, 38.567, 225.457

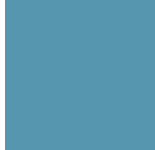
# Monochromacy



**Original Color**  
69, 45.791, 250.957



**Achromatopsia**  
56, 0.007, 296.813



**Achromatomaly**  
59, 23.585, 233.483

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 69, 45.806, 250.931 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(1, 180, 246)` looks like.

```
.text, #text, p{  
    color:rgb(1, 180, 246)  
}
```

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(1, 180, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 180, 246) }
```

## Border

The CSS property to change the border of an element to CIELCh 69, 45.806, 250.931 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(1, 180, 246) }
```

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

```
.border{ border-color:rgb(1, 180, 246) }
```

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

Here you see how a box with a 4 pixel rgb(1, 180, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 180, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 180, 246);  
box-shadow:4px 4px 4px 4px rgb(1, 180,  
246) }
```

# Background

The CSS property to change the background color of an element to CIELCh 69, 45.806, 250.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 180, 246) }
```

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

```
.background{ background-color: rgb(1, 180,  
246) }
```

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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