

Converting Colors

CIELCh(69, 89.157, 129.490)

Have a look what the booklet for
CIELCh(69, 89.157, 129.490)
contains.

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Color

CIELCh(69, 89.058, 129.477)

Conversions

Conversions Part 1

Format	Color
Hex	57BF00
RGB	87, 191, 0
RGB Percent	34%, 75%, 0%
CMY	0.6583, 0.2505, 0.9988
CMYK	0.54, 0.00, 1.00, 0.25
HSL	93°, 100%, 38%
HSV	93°, 100%, 75%
XYZ	22.5996, 39.3444, 6.4117
YIQ	138.1300, -0.6730, -81.4490

Conversions

Conversions Part 2

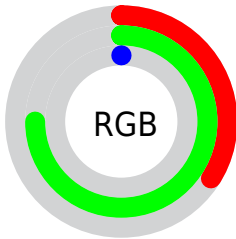
Format	Color
RYB	0, 191, 104
Decimal	5750528
CIELab	69.00, -56.62, 68.74
CIELCh	69, 89.058, 129.477
Yxy	39.3444, 0.3306, 0.5756
Android (android.graphics.Color)	4283940608 (0xFF57BF00)
YUV	138.1300, -68.0981, -44.8410
Hunter-Lab	62.7251, -45.4562, 37.8470

Details

The CIELCh color **69, 89.058, 129.477** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **31, 99.439, 312.953**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 89.034, 129.501**, and **49, 75.072, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 89.114, 129.493**, and if you desaturate by 10%, it is **69, 85.407, 128.528**.

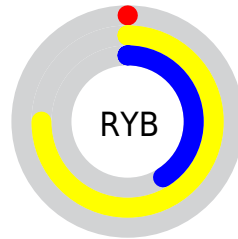
Distribution



Red (34%)

Green (75%)

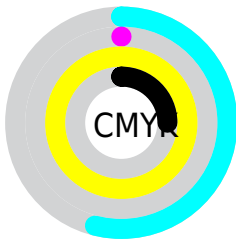
Blue (0%)



Red (0%)

Yellow (75%)

Blue (41%)

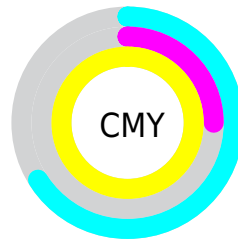


Cyan (54%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (66%)

Magenta (25%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 89.058, 129.477 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, 89.058, 129.477 by changing the saturation by 10% instead.

 69, 89.058,
129.477

 69, 89.058,
129.477

 100, 89.058,
129.477

 59, 89.058,
129.477

 89, 89.058,
129.477

 49, 89.058,
129.477

 99, 89.058,
129.477

 39, 89.058,
129.477

 29, 89.058,
129.477

 19, 89.058,
129.477

 9, 89.058, 129.477

 0, 89.058, 129.477

■ 69, 89.058,
129.477

■ 69, 89.058,
129.477

■ 69, 89.114,
129.493

■ 69, 85.407,
128.528

■ 70, 79.933,
127.968

■ 71, 72.578,
127.832

■ 71, 63.786,
127.999

■ 72, 54.008,
128.349

■ 73, 43.601,
128.793

■ 74, 32.824,
129.273

■ 75, 21.855,

129.754

■ 76, 10.820,
130.219

Harmonies

Complementary

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



69, 89.058, 129.477



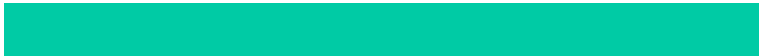
31, 99.439, 312.953

Rectangle

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



69, 89.058, 129.477



69, 89.058, 179.477



69, 89.058, 309.477



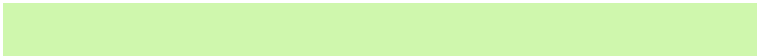
69, 89.058, 359.477

Sweetspot

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



69, 89.058, 129.478



93, 40.690, 129.242



53, 67.722, 63.352



49, 27.937, 129.036



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



69, 89.058, 129.478



87, 108.458, 129.745



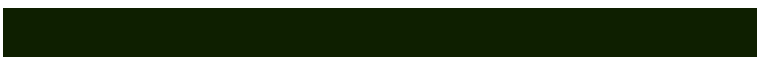
68, 95.781, 136.281



39, 6.171, 130.241



58, 77.258, 129.264



9, 19.378, 134.468

Inverse Universe

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



31, 99.439, 312.953



41, 120.976, 312.766



45, 90.603, 329.602



37, 6.247, 311.013



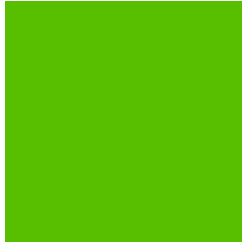
25, 86.356, 313.104



2, 18.222, 306.570

Previews

White Background



This preview shows how the CIELCh color 69, 89.058, 129.477 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, 89.058, 129.477 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, 89.058, 129.477

Background



This preview shows how black text looks on a background with the CIELCh color 69, 89.058, 129.477.



This preview shows how white text looks on a background with the CIELCh color 69, 89.058, 129.477.

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](#).

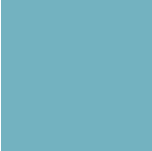
Dichromacy



Original Color
69, 89.058, 129.477

Protanopia
69, 71.594, 95.139

Deuteranopia
68, 64.960, 82.537



Tritanopia
69, 21.369, 219.203

Trichromacy



Original Color
69, 89.058, 129.477



Protanomaly
68, 74.315, 111.077



Deuteranomaly
67, 68.123, 105.485



Tritanomaly
68, 44.219, 147.581

Monochromacy



Original Color
69, 89.058, 129.477



Achromatopsia
57, 0.007, 296.813



Achromatomaly
61, 40.767, 128.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 89.058, 129.477 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(87, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(87, 191, 0)  
}
```

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(87, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 191, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 89.058, 129.477 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(87, 191, 0) }
```

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

```
.border{ border-color:rgb(87, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(87, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(87, 191, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 69, 89.058, 129.477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 191, 0) }
```

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

```
.background{ background-color: rgb(87, 191,  
0) }
```

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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