

Converting Colors

CIELCh(69, 89.600, 129.959)

Have a look what the booklet for
CIELCh(69, 89.600, 129.959)
contains.

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Color

CIELCh(69, 89.486, 129.932)

Conversions

Conversions Part 1

Format	Color
Hex	54BF01
RGB	84, 191, 1
RGB Percent	33%, 75%, 0%
CMY	0.6688, 0.2494, 0.9959
CMYK	0.56, 0.00, 0.99, 0.25
HSL	94°, 99%, 38%
HSV	94°, 99%, 75%
XYZ	22.4208, 39.3444, 6.4423
YIQ	137.3470, -2.7820, -81.7740

Conversions

Conversions Part 2

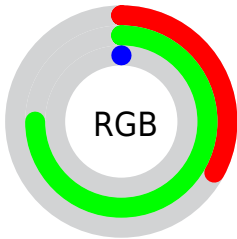
Format	Color
R_{YB}	1, 191, 108
Decimal	5553921
CIE _{Lab}	69.00, -57.44, 68.62
CIE _{LCh}	69, 89.486, 129.932
Y _{xy}	39.3444, 0.3287, 0.5768
Android (android.graphics.Color)	4283744001 (0xFF54BF01)
Y _{UV}	137.3470, -67.2191, -46.7853
Hunter-Lab	62.7251, -45.9648, 37.8181

Details

The CIELCh color **69, 89.486, 129.932** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **32, 99.038, 313.398**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 89.343, 129.858**, and **49, 75.072, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 89.674, 129.981**, and if you desaturate by 10%, it is **69, 85.768, 129.010**.

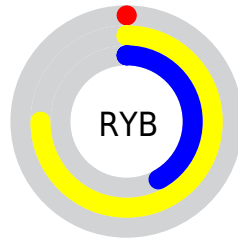
Distribution



Red (33%)

Green (75%)

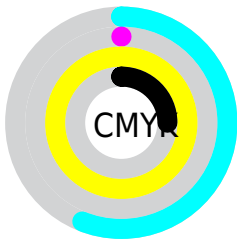
Blue (0%)



Red (0%)

Yellow (75%)

Blue (42%)

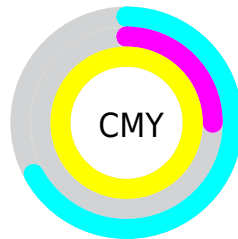


Cyan (56%)

Magenta (0%)

Yellow (99%)

Black (25%)



Cyan (67%)


Magenta (25%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 89.486, 129.932 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, 89.486, 129.932 by changing the saturation by 10% instead.


 69, 89.486,
129.932


 69, 89.486,
129.932


 100, 89.486,
129.932


 59, 89.486,
129.932


 89, 89.486,
129.932

 49, 89.486,
129.932

 99, 89.486,
129.932

 39, 89.486,
129.932

 29, 89.486,
129.932

 19, 89.486,
129.932

 9, 89.486, 129.932

 0, 89.486, 129.932

■ 69, 89.486,
129.932

■ 69, 89.486,
129.932

■ 69, 89.674,
129.981

■ 69, 85.768,
129.010

■ 70, 80.176,
128.486

■ 71, 72.706,
128.380

■ 71, 63.810,
128.569

■ 72, 53.938,
128.933

■ 73, 43.446,
129.386

■ 74, 32.590,
129.870

■ 75, 21.550,

130.351

■ 76, 10.451,
130.813

Harmonies

Complementary

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



69, 89.486, 129.932



32, 99.038, 313.398

Rectangle

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



69, 89.486, 129.932



69, 89.486, 179.932



69, 89.486, 309.932



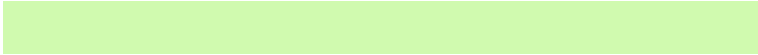
69, 89.486, 359.932

Sweetspot

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



69, 89.486, 129.933



94, 41.216, 129.819



53, 67.277, 64.901



49, 28.065, 129.612



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, 89.486, 129.933



88, 109.878, 130.236



68, 95.505, 136.421



40, 6.334, 130.816



59, 78.590, 129.774



11, 21.554, 134.467

Inverse Universe

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



32, 99.038, 313.398



42, 121.478, 313.187



45, 89.461, 330.317



38, 6.410, 311.584



26, 87.078, 313.514



2, 20.454, 307.610

Previews

White Background



This preview shows how the CIELCh color 69, 89.486, 129.932 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, 89.486, 129.932 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

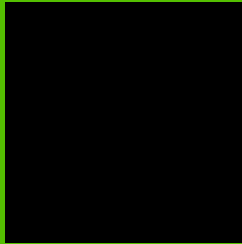
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 89.486, 129.932

Background



This preview shows how black text looks on a background with the CIELCh color 69, 89.486, 129.932.



This preview shows how white text looks on a background with the CIELCh color 69, 89.486, 129.932.

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](#).

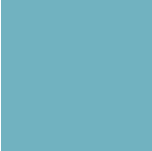
Dichromacy



Original Color
69, 89.387, 129.970

Protanopia
69, 71.594, 95.139

Deuteranopia
68, 64.649, 82.473



Tritanopia
69, 21.869, 218.660

Trichromacy



Original Color
69, 89.387, 129.970

Protanomaly
68, 74.770, 111.688

Deuteranomaly
67, 67.921, 105.890

Tritanomaly
68, 44.221, 148.566

Monochromacy



Original Color
69, 89.387, 129.970

Achromatopsia
57, 0.007, 296.813

Achromatomaly
61, 40.931, 128.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 89.486, 129.932 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(84, 191, 1)` looks like.

```
.text, #text, p{  
    color:rgb(84, 191, 1)  
}
```

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(84, 191, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 191, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 89.486, 129.932 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(84, 191, 1) }
```

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

```
.border{ border-color:rgb(84, 191, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 191, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 191, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 191, 1);  
box-shadow:4px 4px 4px 4px rgb(84, 191, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 69, 89.486, 129.932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 191, 1) }
```

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

```
.background{ background-color: rgb(84, 191,  
1) }
```

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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