

Converting Colors

CIELCh(69, 87.488, 128.501)

Have a look what the booklet for
CIELCh(69, 87.488, 128.501)
contains.

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Color

CIELCh(69, 87.360, 128.569)

Conversions

Conversions Part 1

Format	Color
Hex	5DBE05
RGB	93, 190, 5
RGB Percent	36%, 75%, 2%
CMY	0.6337, 0.2535, 0.9804
CMYK	0.51, 0.00, 0.97, 0.25
HSL	91°, 95%, 38%
HSV	91°, 97%, 75%
XYZ	23.0746, 39.3444, 6.5208
YIQ	139.9070, 1.5730, -78.0990

Conversions

Conversions Part 2

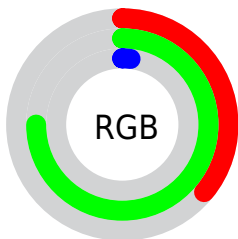
Format	Color
RYB	5, 190, 102
Decimal	6143493
CIELab	69.00, -54.47, 68.30
CIELCh	69, 87.360, 128.569
Yxy	39.3444, 0.3347, 0.5707
Android (android.graphics.Color)	4284333573 (0xFF5DBE05)
YUV	139.9070, -66.5092, -41.1374
Hunter-Lab	62.7251, -44.1045, 37.7439

Details

The CIELCh color **69, 87.360, 128.569** is a dark color, and the websafe version is hex **66CC00**. A complement of this color would be **31, 98.580, 312.549**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 87.121, 128.723**, and **49, 74.045, 135.001** is the 20% darker color. If you saturate the color by 10%, you get **69, 88.243, 128.821**, and if you desaturate by 10%, it is **69, 83.440, 127.645**.

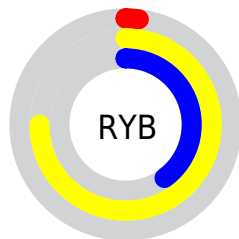
Distribution



Red (36%)

Green (75%)

Blue (2%)



Red (2%)

Yellow (75%)

Blue (40%)

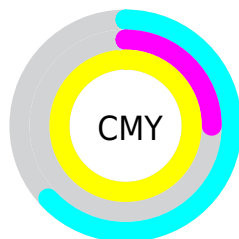


Cyan (51%)

Magenta (0%)

Yellow (97%)

Black (25%)



Cyan (63%)

Magenta (25%)

Yellow (98%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 87.360, 128.569 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, 87.360, 128.569 by changing the saturation by 10% instead.

 69, 87.360,
128.569


 69, 87.360,
128.569


 100, 87.360,
128.569

 59, 87.360,
128.569

 89, 87.360,
128.569

 49, 87.360,
128.569

 99, 87.360,
128.569

 39, 87.360,
128.569

 29, 87.360,
128.569

 19, 87.360,
128.569

 9, 87.360, 128.569

 0, 87.360, 128.569

■ 69, 87.360,
128.569

■ 69, 87.360,
128.569

■ 69, 88.243,
128.821

■ 69, 83.440,
127.645

■ 70, 77.538,
127.180

■ 71, 69.867,
127.115

■ 71, 60.886,
127.324

■ 72, 51.024,
127.695

■ 73, 40.610,
128.147

■ 74, 29.875,
128.629

■ 75, 18.982,

129.108

■ 76, 8.044, 129.571

Harmonies

Complementary

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



69, 87.360, 128.569



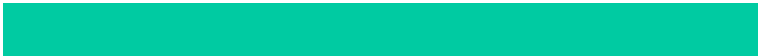
31, 98.580, 312.549

Rectangle

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



69, 87.360, 128.569



69, 87.360, 178.569



69, 87.360, 308.569



69, 87.360, 358.569

Sweetspot

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



69, 87.360, 128.570



93, 39.120, 128.527



52, 66.794, 62.527



50, 27.014, 128.319



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, 87.360, 128.570



87, 107.712, 129.081



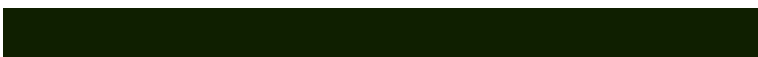
67, 95.233, 136.242



39, 6.138, 129.481



58, 76.733, 128.593



9, 19.257, 133.808

Inverse Universe

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



31, 98.580, 312.549



40, 121.559, 312.231



45, 91.084, 328.873



37, 6.217, 310.266



25, 86.759, 312.570



2, 18.148, 305.789

Previews

White Background



This preview shows how the CIELCh color 69, 87.360, 128.569 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, 87.360, 128.569 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, 87.360, 128.569

Background



This preview shows how black text looks on a background with the CIELCh color 69, 87.360, 128.569.



This preview shows how white text looks on a background with the CIELCh color 69, 87.360, 128.569.

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, 87.260, 128.606

Protanopia
69, 71.594, 95.139

Deuteranopia
69, 65.153, 82.171



Tritanopia
69, 20.098, 220.724

Trichromacy



Original Color
69, 87.260, 128.606

Protanomaly
68, 73.936, 110.460

Deuteranomaly
67, 67.266, 104.032

Tritanomaly
68, 42.119, 146.681

Monochromacy



Original Color
69, 87.260, 128.606

Achromatopsia
58, 0.007, 296.813

Achromatomaly
61, 39.442, 127.915

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 87.360, 128.569 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(93, 190, 5)` looks like.

```
.text, #text, p{  
    color:rgb(93, 190, 5)  
}
```

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(93, 190, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 190, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 87.360, 128.569 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(93, 190, 5) }
```

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

```
.border{ border-color:rgb(93, 190, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 190, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 190, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 190, 5);  
box-shadow:4px 4px 4px 4px rgb(93, 190, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 69, 87.360, 128.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 190, 5) }
```

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

```
.background{ background-color: rgb(93, 190,  
5) }
```

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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