

Converting Colors

CIELCh(69, 91.916, 132.166)

Have a look what the booklet for
CIELCh(69, 91.916, 132.166)
contains.

CIELCh(69, 91.930, 132.178)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(69, 91.930, 132.178)

Conversions

Conversions Part 1

Format	Color
Hex	45C104
RGB	69, 193, 4
RGB Percent	27%, 76%, 2%
CMY	0.7301, 0.2437, 0.9857
CMYK	0.64, 0.00, 0.98, 0.24
HSL	99°, 96%, 39%
HSV	99°, 98%, 76%
XYZ	21.5006, 39.3444, 6.5652
YIQ	134.3780, -13.2350, -85.0670

Conversions

Conversions Part 2

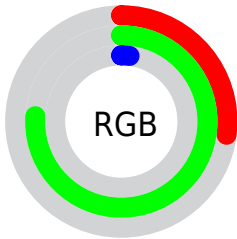
Format	Color
RYB	4, 193, 128
Decimal	4571396
CIELab	69.00, -61.73, 68.13
CIElCh	69, 91.930, 132.178
Yxy	39.3444, 0.3190, 0.5837
Android (android.graphics.Color)	4282761476 (0xFF45C104)
YUV	134.3780, -64.2764, -57.3365
Hunter-Lab	62.7251, -48.5837, 37.7019

Details

The CIELCh color **69, 91.930, 132.178** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed green. A complement of this color would be **35, 97.254, 316.079**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 91.996, 132.237**, and **50, 75.871, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 92.575, 132.310**, and if you desaturate by 10%, it is **69, 87.977, 131.456**.

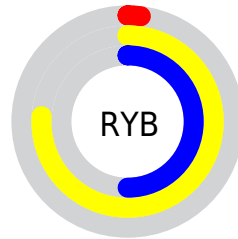
Distribution



Red (27%)

Green (76%)

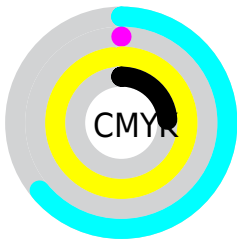
Blue (2%)



Red (2%)

Yellow (76%)

Blue (50%)

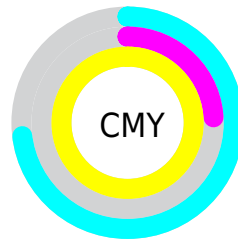


Cyan (64%)

Magenta (0%)

Yellow (98%)

Black (24%)



Cyan (73%)


Magenta (24%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 69, 91.930, 132.178 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, 91.930, 132.178 by changing the saturation by 10% instead.


 69, 91.930,
132.178


 69, 91.930,
132.178


 100, 91.930,
132.178


 59, 91.930,
132.178


 89, 91.930,
132.178

 49, 91.930,
132.178

 99, 91.930,
132.178

 39, 91.930,
132.178

 29, 91.930,
132.178

 19, 91.930,
132.178

 9, 91.930, 132.178

 0, 91.930, 132.178

■ 69, 91.930,
132.178

■ 69, 91.930,
132.178

■ 69, 92.575,
132.310

■ 69, 87.977,
131.456

■ 70, 81.950,
131.143

■ 71, 74.022,
131.210

■ 71, 64.670,
131.529

■ 72, 54.350,
131.988

■ 73, 43.423,
132.502

■ 74, 32.147,
133.023

■ 76, 20.710,

133.522

■ 77, 9.244, 133.989

Harmonies

Complementary

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



69, 91.930, 132.178



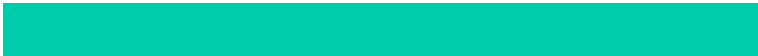
35, 97.254, 316.079

Rectangle

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



69, 91.930, 132.178



69, 91.930, 182.178



69, 91.930, 312.178



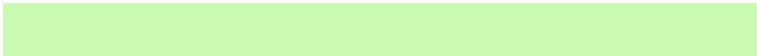
69, 91.930, 2.178

Sweetspot

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



69, 91.930, 132.179



93, 40.922, 132.954



58, 66.287, 74.422



49, 28.038, 132.731



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, 91.930, 132.179



87, 112.773, 132.526



68, 92.761, 137.779



40, 6.492, 133.932



58, 80.671, 132.119



10, 22.163, 137.020

Inverse Universe

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



35, 97.254, 316.079



45, 119.089, 315.807



44, 83.078, 335.147



38, 6.552, 314.681



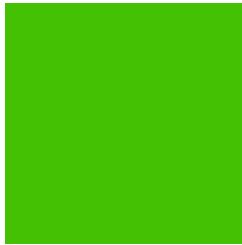
28, 85.430, 316.106



3, 20.930, 311.297

Previews

White Background



This preview shows how the CIELCh color 69, 91.930, 132.178 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, 91.930, 132.178 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

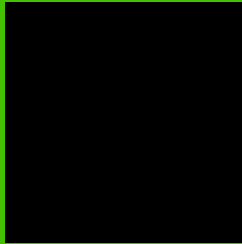
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 91.930, 132.178

Background



This preview shows how black text looks on a background with the CIELCh color 69, 91.930, 132.178.



This preview shows how white text looks on a background with the CIELCh color 69, 91.930, 132.178.

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

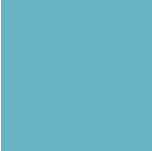
69, 91.930, 132.178

Protanopia

69, 71.594, 95.139

Deuteranopia

69, 64.332, 82.406



Tritanopia
69, 24.602, 217.452

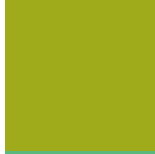
Trichromacy



Original Color
69, 91.930, 132.178



Protanomaly
68, 75.166, 113.636



Deuteranomaly
67, 67.852, 107.799



Tritanomaly
68, 46.471, 152.144

Monochromacy



Original Color
69, 91.930, 132.178



Achromatopsia
56, 0.007, 296.813



Achromatomaly
59, 41.759, 132.431

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 91.930, 132.178 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(69, 193, 4)` looks like.

```
.text, #text, p{  
    color:rgb(69, 193, 4)  
}
```

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(69, 193, 4) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 193, 4) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 91.930, 132.178 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(69, 193, 4) }
```

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

```
.border{ border-color:rgb(69, 193, 4) }
```

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

Here you see how a box with a 4 pixel rgb(69, 193, 4) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 193, 4); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 193, 4);  
box-shadow:4px 4px 4px 4px rgb(69, 193, 4)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 69, 91.930, 132.178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 193, 4) }
```

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

```
.background{ background-color: rgb(69, 193,  
4) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor