

Converting Colors

CIELCh(69, 91.160, 133.555)

Have a look what the booklet for
CIELCh(69, 91.160, 133.555)
contains.

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Color

CIELCh(69, 91.032, 133.498)

Conversions

Conversions Part 1

Format	Color
Hex	3FC113
RGB	63, 193, 19
RGB Percent	25%, 76%, 7%
CMY	0.7519, 0.2423, 0.9240
CMYK	0.67, 0.00, 0.90, 0.24
HSL	105°, 82%, 42%
HSV	105°, 90%, 76%
XYZ	21.3032, 39.3444, 7.1046
YIQ	134.2940, -21.6260, -81.6740

Conversions

Conversions Part 2

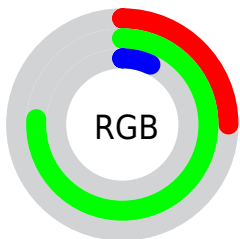
Format	Color
R _Y B	19, 193, 149
Decimal	4178195
CIE Lab	69.00, -62.66, 66.03
CIE LCh	69, 91.032, 133.498
Yxy	39.3444, 0.3144, 0.5807
Android (android.graphics.Color)	4282368275 (0xFF3FC113)
YUV	134.2940, -56.8399, -62.5248
Hunter-Lab	62.7251, -49.1452, 37.1921

Details

The CIELCh color **69, 91.032, 133.498** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **39, 93.222, 319.391**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **89, 91.132, 133.600**, and **50, 75.871, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **69, 94.606, 133.979**, and if you desaturate by 10%, it is **69, 85.413, 133.331**.

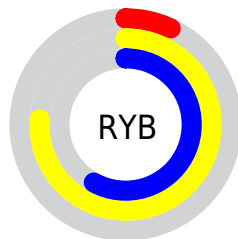
Distribution



Red (25%)

Green (76%)

Blue (7%)



Red (7%)

Yellow (76%)

Blue (58%)

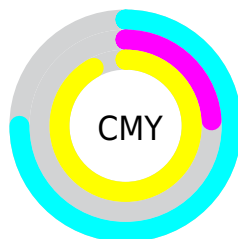


Cyan (67%)

Magenta (0%)

Yellow (90%)

Black (24%)



Cyan (75%)

Magenta (24%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 91.032, 133.498 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, 91.032, 133.498 by changing the saturation by 10% instead.

 69, 91.032,
133.498


 69, 91.032,
133.498


 100, 91.032,
133.498

 59, 91.032,
133.498


 89, 91.032,
133.498

 49, 91.032,
133.498

 99, 91.032,
133.498

 39, 91.032,
133.498

 29, 91.032,
133.498

 19, 91.032,
133.498

 9, 91.032, 133.498

 0, 91.032, 133.498

■ 69, 91.032,
133.498

■ 69, 91.032,
133.498

■ 69, 94.606,
133.979

■ 69, 85.413,
133.331

■ 69, 94.618,
133.980

■ 70, 77.712,
133.530

■ 71, 68.405,
133.972

■ 72, 57.979,
134.538

■ 73, 46.834,
135.144

■ 74, 35.268,
135.737

■ 75, 23.500,
136.291

■ 77, 11.688,

136.796

■ 78, 0.051, 313.526

Harmonies

Complementary

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



69, 91.032, 133.498



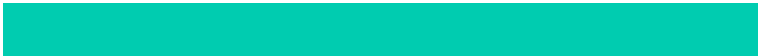
39, 93.222, 319.391

Rectangle

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



69, 91.032, 133.498



69, 91.032, 183.498



69, 91.032, 313.498



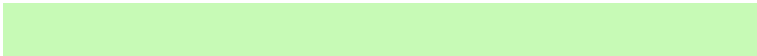
69, 91.032, 3.498

Sweetspot

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



69, 91.032, 133.499



93, 39.178, 135.882



64, 65.242, 83.768



49, 26.379, 135.685



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, 91.032, 133.499



87, 115.063, 134.151



69, 84.945, 140.935



40, 6.665, 136.825



58, 82.363, 133.825



10, 22.706, 139.071

Inverse Universe

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



39, 93.222, 319.391



49, 117.035, 318.751



44, 77.414, 339.009



38, 6.710, 317.598



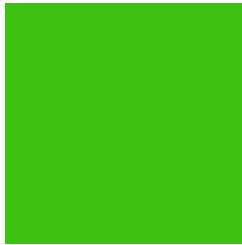
31, 84.018, 318.997



3, 21.553, 315.175

Previews

White Background



This preview shows how the CIE LCh color 69, 91.032, 133.498 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, 91.032, 133.498 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, 91.032, 133.498

Background



This preview shows how black text looks on a background with the CIELCh color 69, 91.032, 133.498.



This preview shows how white text looks on a background with the CIELCh color 69, 91.032, 133.498.

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, 91.032, 133.498

Protanopia

68, 70.663, 95.093

Deuteranopia

69, 63.013, 82.118



Tritanopia
69, 25.438, 215.369

Trichromacy



Original Color
69, 91.032, 133.498



Protanomaly
68, 74.315, 114.511



Deuteranomaly
67, 65.574, 108.950



Tritanomaly
68, 45.439, 155.504

Monochromacy



Original Color
69, 91.032, 133.498



Achromatopsia
56, 0.007, 296.813



Achromatomaly
60, 39.743, 135.114

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 91.032, 133.498 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(63, 193, 19)` looks like.

```
.text, #text, p{  
    color:rgb(63, 193, 19)  
}
```

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(63, 193, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 193, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 91.032, 133.498 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(63, 193, 19) }
```

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

```
.border{ border-color:rgb(63, 193, 19) }
```

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

Here you see how a box with a 4 pixel rgb(63, 193, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 193, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 193, 19);  
box-shadow:4px 4px 4px 4px rgb(63, 193,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 91.032, 133.498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 193, 19) }
```

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

```
.background{ background-color: rgb(63, 193,  
19) }
```

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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