

Converting Colors

CIELCh(67, 93.875, 136.778)

Have a look what the booklet for
CIELCh(67, 93.875, 136.778)
contains.

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Color

CIELCh(67, 93.684, 136.794)

Conversions

Conversions Part 1

Format	Color
Hex	04BD13
RGB	4, 189, 19
RGB Percent	2%, 74%, 7%
CMY	0.9849, 0.2573, 0.9266
CMYK	0.98, 0.00, 0.90, 0.26
HSL	125°, 96%, 38%
HSV	125°, 98%, 74%
XYZ	18.4438, 36.6320, 6.7016
YIQ	114.3050, -55.6900, -92.0900

Conversions

Conversions Part 2

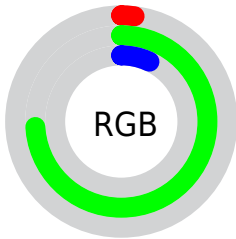
Format	Color
RYB	4, 175, 189
Decimal	310547
CIELab	67.00, -68.29, 64.14
CIELCh	67, 93.684, 136.794
Yxy	36.6320, 0.2986, 0.5930
Android (android.graphics.Color)	4278500627 (0xFF04BD13)
YUV	114.3050, -46.9854, -96.7375
Hunter-Lab	60.5244, -51.5226, 35.8021

Details

The CIELCh color **67, 93.684, 136.794** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **44, 86.476, 331.631**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **87, 93.533, 136.911**, and **48, 74.270, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 94.257, 136.673**, and if you desaturate by 10%, it is **67, 89.757, 137.744**.

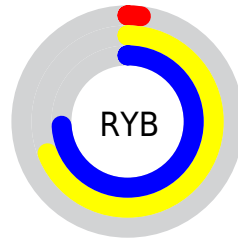
Distribution



Red (2%)

Green (74%)

Blue (7%)



Red (2%)

Yellow (69%)

Blue (74%)

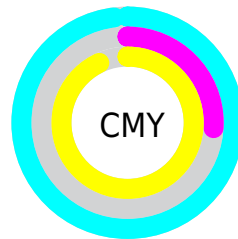


Cyan (98%)

Magenta (0%)

Yellow (90%)

Black (26%)



Cyan (98%)


Magenta (26%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 93.684, 136.794 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 67, 93.684, 136.794 by changing the saturation by 10% instead.


 67, 93.684,
136.794


 67, 93.684,
136.794

 100, 93.684,
136.794


 57, 93.684,
136.794


 87, 93.684,
136.794

 47, 93.684,
136.794

 97, 93.684,
136.794

 37, 93.684,
136.794

 27, 93.684,
136.794

 17, 93.684,
136.794

 7, 93.684, 136.794

 0, 93.684, 136.794

■ 67, 93.684,
136.794

■ 67, 93.684,
136.794

■ 67, 94.257,
136.673

■ 67, 89.757,
137.744

■ 68, 83.744,
138.949

■ 68, 75.886,
140.250

■ 69, 66.550,
141.534

■ 70, 56.107,
142.726

■ 71, 44.900,
143.793

■ 72, 33.224,
144.726

■ 74, 21.327,

145.532

■ 75, 9.405, 146.233

Harmonies

Complementary

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



67, 93.684, 136.794



44, 86.476, 331.631

Rectangle

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



67, 93.684, 136.794



67, 93.684, 186.794



67, 93.684, 316.794



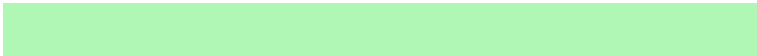
67, 93.684, 6.794

Sweetspot

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



67, 93.683, 136.795



91, 42.783, 144.593



73, 77.328, 106.934



48, 29.548, 144.198



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



67, 93.683, 136.795



85, 115.591, 136.530



68, 65.541, 153.151



39, 6.679, 146.140



57, 82.206, 136.804



9, 20.856, 145.911

Inverse Universe

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



44, 86.476, 331.631



57, 105.930, 331.770



41, 67.142, 7.607



37, 6.692, 327.182



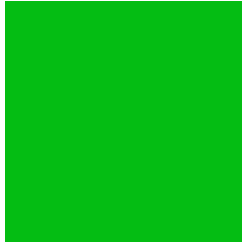
37, 75.980, 331.657



3, 19.861, 328.434

Previews

White Background



This preview shows how the CIELCh color 67, 93.684, 136.794 looks on a white background.

Color Contrast Check

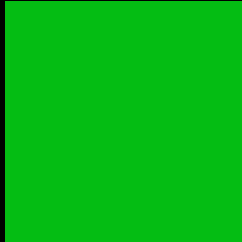
Large Text (above 18pt) WCAG AA × Fail

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 67, 93.684, 136.794 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 67, 93.684, 136.794

Background



This preview shows how black text looks on a background with the CIELCh color 67, 93.684, 136.794.



This preview shows how white text looks on a background with the CIELCh color 67, 93.684, 136.794.

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

67, 93.487, 136.813

Protanopia

66, 69.749, 94.879

Deuteranopia

67, 61.206, 82.267



Tritanopia
67, 28.893, 212.988

Trichromacy



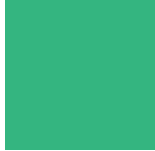
Original Color
67, 93.487, 136.813



Protanomaly
64, 75.542, 120.733



Deuteranomaly
64, 66.243, 117.242



Tritanomaly
66, 50.281, 160.032

Monochromacy



Original Color
67, 93.487, 136.813



Achromatopsia
48, 0.006, 296.813



Achromatomaly
53, 43.952, 142.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 93.684, 136.794 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(4, 189, 19)` looks like.

```
.text, #text, p{  
    color:rgb(4, 189, 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(4, 189, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 189, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 93.684, 136.794 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(4, 189, 19) }
```

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

```
.border{ border-color:rgb(4, 189, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 189, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 189, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 189, 19);  
box-shadow:4px 4px 4px 4px rgb(4, 189, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 67, 93.684, 136.794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 189, 19) }
```

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

```
.background{ background-color: rgb(4, 189,  
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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