

Converting Colors

CIELCh(68, 94.332, 136.540)

Have a look what the booklet for
CIELCh(68, 94.332, 136.540)
contains.

CIELCh(68, 94.162, 136.577)	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(68, 94.162, 136.577)

Conversions

Conversions Part 1

Format	Color
Hex	11C014
RGB	17, 192, 20
RGB Percent	7%, 75%, 8%
CMY	0.9339, 0.2461, 0.9199
CMYK	0.91, 0.00, 0.89, 0.25
HSL	121°, 84%, 41%
HSV	121°, 91%, 75%
XYZ	19.2596, 37.9720, 6.9954
YIQ	120.0670, -49.0880, -90.5920

Conversions

Conversions Part 2

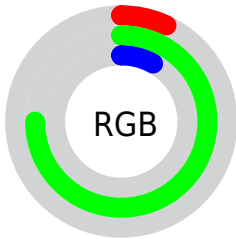
Format	Color
RYB	17, 189, 192
Decimal	1163284
CIELab	68.00, -68.39, 64.72
CIELCh	68, 94.162, 136.577
Yxy	37.9720, 0.2999, 0.5912
Android (android.graphics.Color)	4279353364 (0xFF11C014)
YUV	120.0670, -49.3330, -90.3898
Hunter-Lab	61.6215, -52.0478, 36.4043

Details

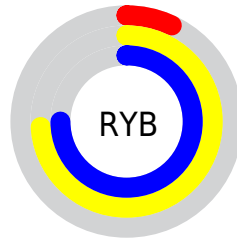
The CIELCh color **68, 94.162, 136.577** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **46, 90.276, 328.932**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 94.065, 136.591**, and **49, 75.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 96.476, 136.173**, and if you desaturate by 10%, it is **68, 89.397, 137.386**.

Distribution



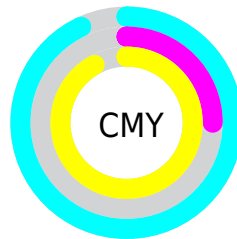
- Red (7%)
- Green (75%)
- Blue (8%)



- Red (7%)
- Yellow (74%)
- Blue (75%)



- Cyan (91%)
- Magenta (0%)
- Yellow (89%)
- Black (25%)





- Cyan (93%)
- Magenta (25%)
- Yellow (92%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 94.162, 136.577 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 68, 94.162, 136.577 by changing the saturation by 10% instead.


 68, 94.162,
136.577


 68, 94.162,
136.577


 100, 94.162,
136.577


 58, 94.162,
136.577


 88, 94.162,
136.577

 48, 94.162,
136.577

 98, 94.162,
136.577

 38, 94.162,
136.577

 28, 94.162,
136.577

 18, 94.162,
136.577

 8, 94.162, 136.577

 0, 94.162, 136.577

■ 68, 94.162,
136.577

■ 68, 94.162,
136.577

■ 68, 96.476,
136.173

■ 68, 89.397,
137.386

■ 69, 82.290,
138.443

■ 69, 73.253,
139.608

■ 70, 62.760,
140.762

■ 71, 51.251,
141.832

■ 73, 39.099,
142.786

■ 74, 26.609,
143.617

■ 76, 14.023,

144.334

■ 78, 1.520, 145.086

Harmonies

Complementary

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



68, 94.162, 136.577



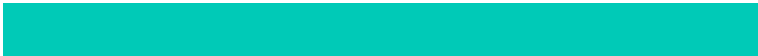
46, 90.276, 328.932

Rectangle

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



68, 94.162, 136.577



68, 94.162, 186.577



68, 94.162, 316.577



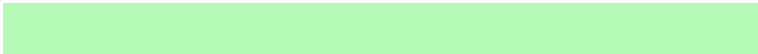
68, 94.162, 6.577

Sweetspot

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



68, 94.162, 136.578



92, 41.870, 143.116



75, 76.512, 103.982



49, 28.181, 142.819



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 94.162, 136.578



86, 117.633, 136.129



69, 67.108, 151.869



40, 7.116, 144.457



57, 84.384, 136.212



10, 24.028, 144.453

Inverse Universe

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



46, 90.276, 328.932



59, 111.981, 329.072



42, 67.102, 0.181



38, 7.127, 325.479



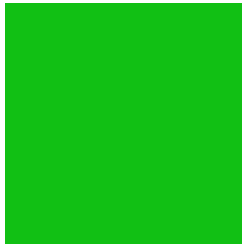
38, 80.528, 329.047



4, 23.767, 327.023

Previews

White Background



This preview shows how the CIELCh color 68, 94.162, 136.577 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 68, 94.162, 136.577 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 68, 94.162, 136.577

Background



This preview shows how black text looks on a background with the CIELCh color 68, 94.162, 136.577.



This preview shows how white text looks on a background with the CIELCh color 68, 94.162, 136.577.

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

68, 94.124, 136.548

Protanopia

67, 69.717, 95.379

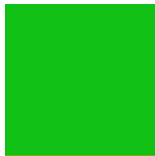
Deuteranopia

67, 61.414, 82.001



Tritanopia
68, 28.962, 212.916

Trichromacy



Original Color
68, 94.124, 136.548



Protanomaly
66, 75.441, 119.828

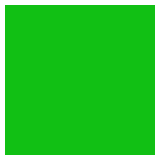


Deuteranomaly
65, 65.931, 115.823



Tritanomaly
67, 50.284, 159.462

Monochromacy



Original Color
68, 94.124, 136.548



Achromatopsia
50, 0.007, 296.813



Achromatomaly
55, 43.141, 141.946

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 94.162, 136.577 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(17, 192, 20)` looks like.

```
.text, #text, p{  
    color:rgb(17, 192, 20)  
}
```

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(17, 192, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 192, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 94.162, 136.577 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(17, 192, 20) }
```

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

```
.border{ border-color:rgb(17, 192, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 192, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 192, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 192, 20);  
box-shadow:4px 4px 4px 4px rgb(17, 192,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 94.162, 136.577 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 192, 20) }
```

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

```
.background{ background-color: rgb(17, 192,  
20) }
```

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