

Converting Colors

CIELCh(68, 93.670, 136.569)

Have a look what the booklet for
CIELCh(68, 93.670, 136.569)
contains.

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Color

CIELCh(68, 93.653, 136.550)

Conversions

Conversions Part 1

Format	Color
Hex	15C016
RGB	21, 192, 22
RGB Percent	8%, 75%, 9%
CMY	0.9163, 0.2466, 0.9129
CMYK	0.89, 0.00, 0.88, 0.25
HSL	120°, 80%, 42%
HSV	120°, 89%, 75%
XYZ	19.3384, 37.9720, 7.0790
YIQ	121.4910, -47.3460, -89.1220

Conversions

Conversions Part 2

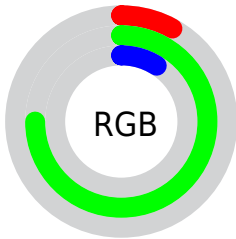
Format	Color
RYB	21, 191, 192
Decimal	1425430
CIELab	68.00, -67.99, 64.41
CIELCh	68, 93.653, 136.550
Yxy	37.9720, 0.3003, 0.5897
Android (android.graphics.Color)	4279615510 (0xFF15C016)
YUV	121.4910, -49.0491, -88.1306
Hunter-Lab	61.6215, -51.8195, 36.3239

Details

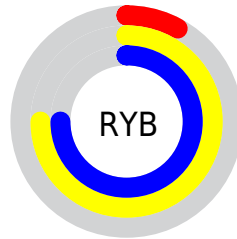
The CIELCh color **68, 93.653, 136.550** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark washed green. A complement of this color would be **46, 90.580, 328.323**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **88, 93.595, 136.608**, and **49, 75.472, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **68, 96.449, 136.097**, and if you desaturate by 10%, it is **68, 88.484, 137.341**.

Distribution



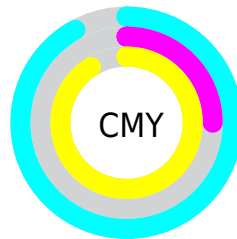
- Red (8%)
- Green (75%)
- Blue (9%)



- Red (8%)
- Yellow (75%)
- Blue (75%)



- Cyan (89%)
- Magenta (0%)
- Yellow (88%)
- Black (25%)





- Cyan (92%)
- Magenta (25%)
- Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 68, 93.653, 136.550 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, 93.653, 136.550 by changing the saturation by 10% instead.


 68, 93.653,
136.550


 68, 93.653,
136.550


 100, 93.653,
136.550


 58, 93.653,
136.550


 88, 93.653,
136.550

 48, 93.653,
136.550

 98, 93.653,
136.550

 38, 93.653,
136.550

 28, 93.653,
136.550

 18, 93.653,
136.550

 8, 93.653, 136.550

 0, 93.653, 136.550

■ 68, 93.653,
136.550

■ 68, 93.653,
136.550

■ 68, 96.449,
136.097

■ 68, 88.484,
137.341

■ 68, 96.710,
136.055

■ 69, 80.959,
138.377

■ 69, 71.533,
139.513

■ 70, 60.704,
140.633

■ 71, 48.918,
141.669

■ 73, 36.549,
142.589

■ 74, 23.895,
143.388

■ 76, 11.189,

144.079

■ 78, 1.399, 324.454

Harmonies

Complementary

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



68, 93.653, 136.550



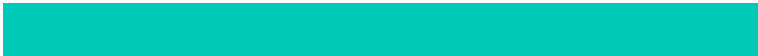
46, 90.580, 328.323

Rectangle

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



68, 93.653, 136.550



68, 93.653, 186.550



68, 93.653, 316.550



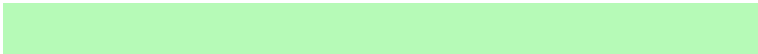
68, 93.653, 6.550

Sweetspot

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



68, 93.653, 136.551



92, 42.306, 142.712



75, 75.762, 103.077



49, 28.474, 142.416



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, 93.653, 136.551



86, 117.878, 136.044



69, 67.123, 151.524



40, 7.190, 144.048



57, 84.687, 136.064



10, 24.203, 144.183

Inverse Universe

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



46, 90.580, 328.323



59, 113.358, 328.436



43, 66.881, 357.896



38, 7.201, 325.064



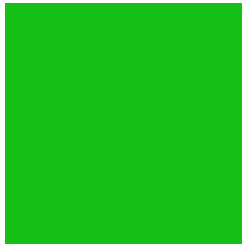
38, 81.490, 328.430



4, 24.103, 326.519

Previews

White Background



This preview shows how the CIELCh color 68, 93.653, 136.550 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, 93.653, 136.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

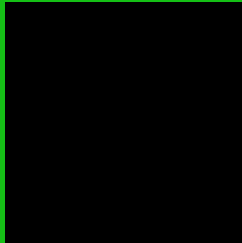
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 68, 93.653, 136.550

Background



This preview shows how black text looks on a background with the CIELCh color 68, 93.653, 136.550.



This preview shows how white text looks on a background with the CIELCh color 68, 93.653, 136.550.

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, 93.653, 136.550

Protanopia

67, 69.217, 95.377

Deuteranopia

67, 61.414, 82.001



Tritanopia
68, 28.962, 212.916

Trichromacy



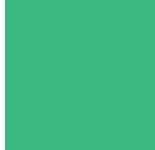
Original Color
68, 93.653, 136.550



Protanomaly
66, 74.900, 119.668



Deuteranomaly
65, 65.732, 115.107



Tritanomaly
67, 49.610, 159.716

Monochromacy



Original Color
68, 93.653, 136.550



Achromatopsia
51, 0.007, 296.813



Achromatomaly
56, 42.237, 141.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 93.653, 136.550 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(21, 192, 22)` looks like.

```
.text, #text, p{  
    color:rgb(21, 192, 22)  
}
```

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(21, 192, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 192, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 93.653, 136.550 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(21, 192, 22) }
```

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

```
.border{ border-color:rgb(21, 192, 22) }
```

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

Here you see how a box with a 4 pixel rgb(21, 192, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 192, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 192, 22);  
box-shadow:4px 4px 4px 4px rgb(21, 192,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 93.653, 136.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 192, 22) }
```

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

```
.background{ background-color: rgb(21, 192,  
22) }
```

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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