

Converting Colors

CIELCh(67, 95.976, 136.014)

Have a look what the booklet for
CIELCh(67, 95.976, 136.014)
contains.

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Color

CIELCh(67, 96.005, 136.016)

Conversions

Conversions Part 1

Format	Color
Hex	00BE00
RGB	0, 190, 0
RGB Percent	0%, 75%, 0%
CMY	1.0000, 0.2565, 1.0000
CMYK	1.00, 0.00, 1.00, 0.26
HSL	120°, 100%, 37%
HSV	120°, 100%, 74%
XYZ	18.2927, 36.6320, 6.0771
YIQ	111.5300, -52.2500, -99.3700

Conversions

Conversions Part 2

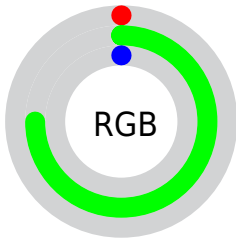
Format	Color
RYB	0, 190, 190
Decimal	48640
CIELab	67.00, -69.08, 66.67
CIELCh	67, 96.005, 136.016
Yxy	36.6320, 0.2999, 0.6005
Android (android.graphics.Color)	4278238720 (0xFF00BE00)
YUV	111.5300, -54.9843, -97.8118
Hunter-Lab	60.5244, -51.9683, 36.4139

Details

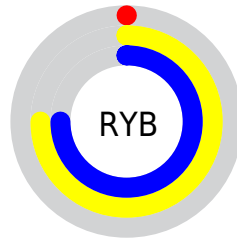
The CIELCh color **67, 96.005, 136.016** is a dark color, and the websafe version is hex **33CC00**. A complement of this color would be **45, 92.479, 328.233**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **87, 96.234, 136.019**, and **49, 74.671, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 95.849, 136.016**, and if you desaturate by 10%, it is **67, 93.238, 136.434**.

Distribution



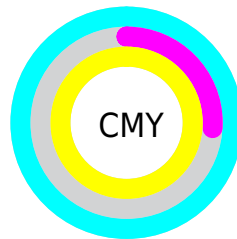
- Red (0%)
- Green (75%)
- Blue (0%)



- Red (0%)
- Yellow (75%)
- Blue (75%)



- Cyan (100%)
- Magenta (0%)
- Yellow (100%)
- Black (26%)





- Cyan (100%)
- Magenta (26%)
- Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 67, 96.005, 136.016 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, 96.005, 136.016 by changing the saturation by 10% instead.


 67, 96.005,
136.016


 67, 96.005,
136.016


 100, 96.005,
136.016


 57, 96.005,
136.016


 87, 96.005,
136.016

 47, 96.005,
136.016

 97, 96.005,
136.016

 37, 96.005,
136.016

 27, 96.005,
136.016

 17, 96.005,
136.016

 7, 96.005, 136.016

 0, 96.005, 136.016

■ 67, 96.005,
136.016

■ 67, 96.005,
136.016

■ 67, 95.849,
136.016

■ 67, 93.238,
136.434

■ 67, 88.445,
137.161

■ 68, 81.255,
138.155

■ 69, 72.106,
139.274

■ 69, 61.499,
140.392

■ 70, 49.891,
141.434

■ 72, 37.663,
142.365

■ 73, 25.122,

143.175

■ 75, 12.506,
143.875

Harmonies

Complementary

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



67, 96.005, 136.016



45, 92.479, 328.233

Rectangle

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



67, 96.005, 136.016



67, 96.005, 186.016



67, 96.005, 316.016



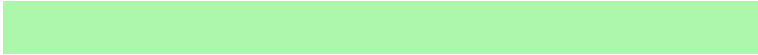
67, 96.005, 6.016

Sweetspot

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



67, 95.849, 136.016



91, 46.736, 142.322



75, 77.550, 102.852



48, 32.078, 141.937



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, 95.849, 136.016



85, 117.046, 136.016



68, 71.325, 149.099



39, 7.057, 143.918



57, 83.795, 136.016



9, 21.678, 144.392

Inverse Universe

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



45, 92.479, 328.233



59, 112.931, 328.233



41, 67.808, 2.085



37, 7.068, 324.928



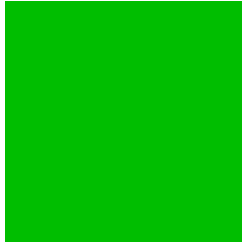
37, 80.849, 328.233



3, 21.490, 325.460

Previews

White Background



This preview shows how the CIELCh color 67, 96.005, 136.016 looks on a white background.

Color Contrast Check

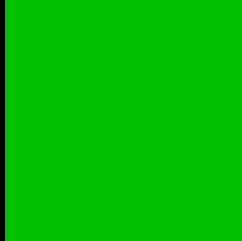
Large Text (above 18pt) WCAG AA × Fail

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, 96.005, 136.016 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

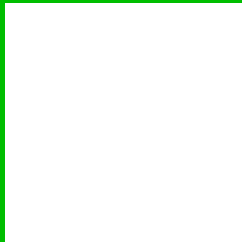
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 67, 96.005, 136.016

Background



This preview shows how black text looks on a background with the CIELCh color 67, 96.005, 136.016.



This preview shows how white text looks on a background with the CIELCh color 67, 96.005, 136.016.

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

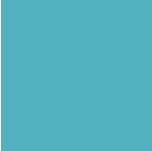
67, 96.005, 136.016

Protanopia

66, 69.749, 94.879

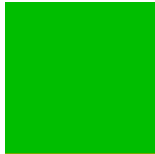
Deuteranopia

66, 62.221, 82.494



Tritanopia
67, 28.705, 213.107

Trichromacy



Original Color
67, 96.005, 136.016



Protanomaly
64, 76.655, 121.013



Deuteranomaly
64, 68.812, 117.243



Tritanomaly
66, 53.127, 157.023

Monochromacy



Original Color
67, 96.005, 136.016



Achromatopsia
47, 0.006, 296.813



Achromatomaly
52, 47.490, 140.596

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 96.005, 136.016 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(0, 190, 0)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 0)  
}
```

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(0, 190, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 96.005, 136.016 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(0, 190, 0) }
```

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

```
.border{ border-color:rgb(0, 190, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 190, 0); box-shadow:4px  
4px 4px 4px rgb(0, 190, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 96.005, 136.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 0) }
```

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

```
.background{ background-color: rgb(0, 190,  
0) }
```

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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