

Converting Colors

CIELCh(67, 84.672, 141.291)

Have a look what the booklet for
CIELCh(67, 84.672, 141.291)
contains.

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Color

CIELCh(67, 84.637, 141.160)

Conversions

Conversions Part 1

Format	Color
Hex	00BD39
RGB	0, 189, 57
RGB Percent	0%, 74%, 22%
CMY	1.0000, 0.2593, 0.7769
CMYK	1.00, 0.00, 0.70, 0.26
HSL	138°, 100%, 37%
HSV	138°, 100%, 74%
XYZ	18.8990, 36.6320, 9.9298
YIQ	117.4410, -70.2720, -81.1200

Conversions

Conversions Part 2

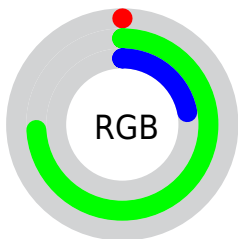
Format	Color
RYB	0, 145, 189
Decimal	48441
CIELab	67.00, -65.92, 53.08
CIELCh	67, 84.637, 141.160
Yxy	36.6320, 0.2887, 0.5596
Android (android.graphics.Color)	4278238521 (0xFF00BD39)
YUV	117.4410, -29.7974, -102.9958
Hunter-Lab	60.5244, -50.1801, 32.6398

Details

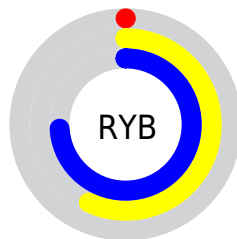
The CIELCh color **67, 84.637, 141.160** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **42, 73.586, 345.005**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 84.694, 141.190**, and **48, 74.270, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **67, 84.620, 141.148**, and if you desaturate by 10%, it is **67, 79.570, 143.036**.

Distribution



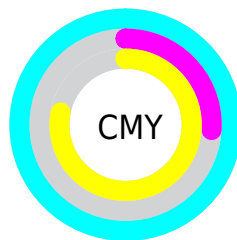
- Red (0%)
- Green (74%)
- Blue (22%)



- Red (0%)
- Yellow (57%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (70%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 84.637, 141.160 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, 84.637, 141.160 by changing the saturation by 10% instead.

 67, 84.637,
141.160


 67, 84.637,
141.160

 100, 84.637,
141.160

 57, 84.637,
141.160

 87, 84.637,
141.160

 47, 84.637,
141.160

 97, 84.637,
141.160

 37, 84.637,
141.160

 27, 84.637,
141.160

 17, 84.637,
141.160

 7, 84.637, 141.160

 0, 84.637, 141.160

■ 67, 84.637,
141.160

■ 67, 84.637,
141.160

■ 67, 84.620,
141.148

■ 67, 79.570,
143.036

■ 68, 73.500,
144.927

■ 68, 66.378,
146.679

■ 69, 58.319,
148.256

■ 70, 49.482,
149.649

■ 71, 40.055,
150.866

■ 72, 30.228,
151.926

■ 73, 20.179,

152.849

■ 75, 10.059,
153.665

Harmonies

Complementary

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



67, 84.637, 141.160



42, 73.586, 345.005

Rectangle

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



67, 84.637, 141.160



67, 84.637, 191.160



67, 84.637, 321.160



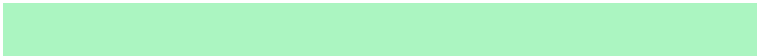
67, 84.637, 11.160

Sweetspot

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



67, 84.620, 141.148



91, 37.309, 151.878



70, 81.576, 119.901



48, 25.392, 151.446



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 84.620, 141.148



85, 103.614, 140.812



68, 49.632, 170.814



39, 5.694, 153.716



57, 73.697, 141.435



9, 18.673, 150.781

Inverse Universe

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



42, 73.586, 345.005



54, 89.134, 345.365



39, 74.218, 29.545



37, 5.723, 334.933



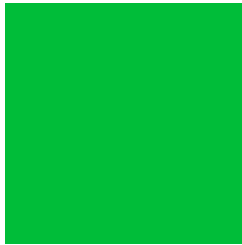
35, 64.676, 344.710



3, 16.065, 339.867

Previews

White Background



This preview shows how the CIELCh color 67, 84.637, 141.160 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, 84.637, 141.160 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, 84.637, 141.160

Background



This preview shows how black text looks on a background with the CIELCh color 67, 84.637, 141.160.

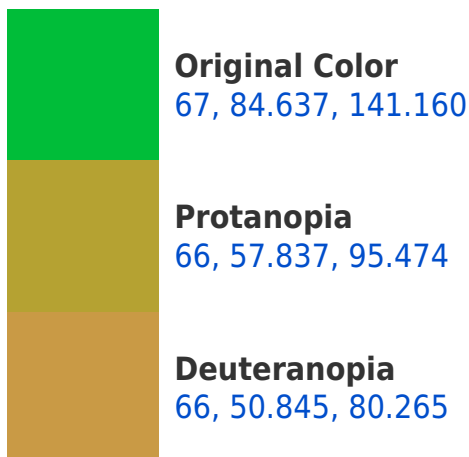


This preview shows how white text looks on a background with the CIELCh color 67, 84.637, 141.160.

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





Tritanopia
67, 29.296, 213.896

Trichromacy



Original Color
67, 84.637, 141.160



Protanomaly
64, 64.976, 125.564



Deuteranomaly
64, 55.758, 122.006



Tritanomaly
66, 45.530, 167.501

Monochromacy



Original Color
67, 84.637, 141.160



Achromatopsia
49, 0.007, 296.813



Achromatomaly
54, 38.108, 150.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 84.637, 141.160 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, 189, 57)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 57)  
}
```

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, 189, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 84.637, 141.160 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, 189, 57) }
```

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

```
.border{ border-color:rgb(0, 189, 57) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 57);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 67, 84.637, 141.160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 57) }
```

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

```
.background{ background-color: rgb(0, 189,  
57) }
```

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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