

Converting Colors

CIELCh(67, 80.733, 143.339)

Have a look what the booklet for
CIELCh(67, 80.733, 143.339)
contains.

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Color

CIELCh(67, 80.642, 143.286)

Conversions

Conversions Part 1

Format	Color
Hex	00BD45
RGB	0, 189, 69
RGB Percent	0%, 74%, 27%
CMY	1.0000, 0.2604, 0.7309
CMYK	1.00, 0.00, 0.64, 0.26
HSL	142°, 100%, 37%
HSV	142°, 100%, 74%
XYZ	19.1486, 36.6320, 11.6302
YIQ	118.8090, -74.1240, -77.3880

Conversions

Conversions Part 2

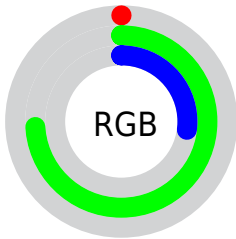
Format	Color
RYB	0, 138, 189
Decimal	48453
CIELab	67.00, -64.65, 48.21
CIELCh	67, 80.642, 143.286
Yxy	36.6320, 0.2841, 0.5434
Android (android.graphics.Color)	4278238533 (0xFF00BD45)
YUV	118.8090, -24.5558, -104.1955
Hunter-Lab	60.5244, -49.4442, 30.9741

Details

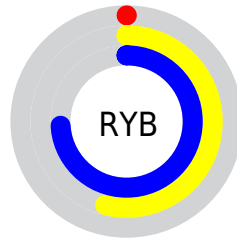
The CIELCh color **67, 80.642, 143.286** is a dark color, and the websafe version is hex **00CC66**. A complement of this color would be **41, 70.869, 349.902**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **87, 80.717, 143.388**, and **48, 72.703, 136.894** is the 20% darker color. If you saturate the color by 10%, you get **67, 80.586, 143.245**, and if you desaturate by 10%, it is **67, 75.603, 145.281**.

Distribution



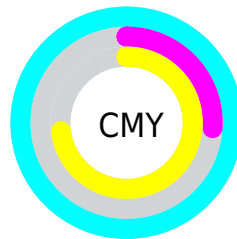
- Red (0%)
- Green (74%)
- Blue (27%)



- Red (0%)
- Yellow (54%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (26%)




- Cyan (100%)
- Magenta (26%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 80.642, 143.286 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, 80.642, 143.286 by changing the saturation by 10% instead.

 67, 80.642,
143.286

 67, 80.642,
143.286


 100, 80.642,
143.286

 57, 80.642,
143.286

 87, 80.642,
143.286

 47, 80.642,
143.286

 97, 80.642,
143.286

 37, 80.642,
143.286

 27, 80.642,
143.286

 17, 80.642,
143.286

 7, 80.642, 143.286

 0, 80.642, 143.286

■ 67, 80.642,
143.286

■ 67, 80.642,
143.286

■ 67, 80.586,
143.245

■ 67, 75.603,
145.281

■ 68, 69.765,
147.269

■ 68, 62.992,
149.084

■ 69, 55.361,
150.706

■ 70, 47.003,
152.133

■ 71, 38.080,
153.382

■ 72, 28.764,
154.474

■ 73, 19.220,

155.431

■ 75, 9.590, 156.285

Harmonies

Complementary

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



67, 80.642, 143.286



41, 70.869, 349.902

Rectangle

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



67, 80.642, 143.286



67, 80.642, 193.286



67, 80.642, 323.286



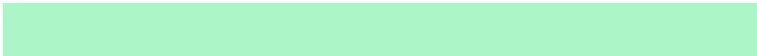
67, 80.642, 13.286

Sweetspot

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



67, 80.586, 143.245



91, 35.544, 154.424



70, 82.777, 122.228



48, 24.181, 153.979



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, 80.586, 143.245



85, 98.837, 142.877



69, 46.556, 176.200



39, 5.436, 156.338



57, 70.242, 143.553



9, 18.070, 152.401

Inverse Universe

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



41, 70.869, 349.902



54, 85.941, 350.387



39, 76.633, 33.026



37, 5.473, 337.626



34, 62.357, 349.510



3, 15.268, 343.532

Previews

White Background



This preview shows how the CIELCh color 67, 80.642, 143.286 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, 80.642, 143.286 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, 80.642, 143.286

Background



This preview shows how black text looks on a background with the CIELCh color 67, 80.642, 143.286.



This preview shows how white text looks on a background with the CIELCh color 67, 80.642, 143.286.

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](#).

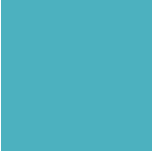
Dichromacy



Original Color
67, 80.642, 143.286

Protanopia
67, 53.383, 95.285

Deuteranopia
66, 45.906, 79.445



Tritanopia
67, 29.651, 212.515

Trichromacy



Original Color
67, 80.642, 143.286



Protanomaly
65, 60.801, 127.354



Deuteranomaly
64, 51.558, 124.215



Tritanomaly
66, 44.287, 169.910

Monochromacy



Original Color
67, 80.642, 143.286



Achromatopsia
50, 0.007, 296.813



Achromatomaly
54, 35.708, 152.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 80.642, 143.286 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, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 69)  
}
```

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, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 80.642, 143.286 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, 69) }
```

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

```
.border{ border-color:rgb(0, 189, 69) }
```

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, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 69);  
box-shadow:4px 4px 4px 4px rgb(0, 189, 69)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 67, 80.642, 143.286 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, 69) }
```

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

```
.background{ background-color: rgb(0, 189,  
69) }
```

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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