

Converting Colors

CIELCh(66, 67.155, 140.680)

Have a look what the booklet for
CIELCh(66, 67.155, 140.680)
contains.

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Color

CIELCh(66, 67.363, 140.658)

Conversions

Conversions Part 1

Format	Color
Hex	49B64F
RGB	73, 182, 79
RGB Percent	29%, 71%, 31%
CMY	0.7148, 0.2872, 0.6911
CMYK	0.60, 0.00, 0.57, 0.29
HSL	123°, 43%, 50%
HSV	123°, 60%, 71%
XYZ	20.8088, 35.3238, 13.0764
YIQ	137.6670, -31.9010, -55.1410

Conversions

Conversions Part 2

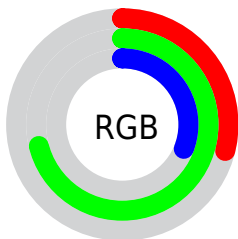
Format	Color
RYB	73, 176, 182
Decimal	4830799
CIELab	66.00, -52.10, 42.70
CIElCh	66, 67.363, 140.658
Yxy	35.3238, 0.3007, 0.5104
Android (android.graphics.Color)	4283020879 (0xFF49B64F)
YUV	137.6670, -28.9228, -56.7130
Hunter-Lab	59.4338, -41.5132, 28.5590

Details

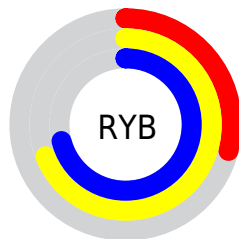
The CIELCh color **66, 67.363, 140.658** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **49, 66.475, 329.165**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **86, 67.366, 140.648**, and **46, 66.319, 139.359** is the 20% darker color. If you saturate the color by 10%, you get **65, 76.202, 139.417**, and if you desaturate by 10%, it is **67, 57.322, 141.841**.

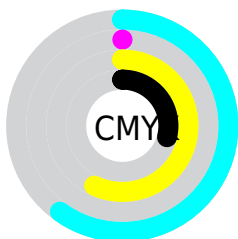
Distribution



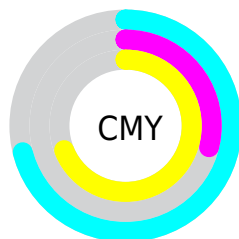
- Red (29%)
- Green (71%)
- Blue (31%)



- Red (29%)
- Yellow (69%)
- Blue (71%)



- Cyan (60%)
- Magenta (0%)
- Yellow (57%)
- Black (29%)





- Cyan (71%)
- Magenta (29%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 66, 67.363, 140.658 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 66, 67.363, 140.658 by changing the saturation by 10% instead.

 66, 67.363,
140.658


 66, 67.363,
140.658

 100, 67.363,
140.658


 56, 67.363,
140.658

 86, 67.363,
140.658

 46, 67.363,
140.658

 96, 67.363,
140.658

 36, 67.363,
140.658

 26, 67.363,
140.658

 16, 67.363,
140.658

 6, 67.363, 140.658

 0, 67.363, 140.658

■ 66, 67.363,
140.658

■ 66, 67.363,
140.658

■ 65, 76.202,
139.417

■ 67, 57.322,
141.841

■ 65, 83.441,
138.209

■ 68, 46.439,
142.915

■ 65, 88.707,
137.163

■ 69, 35.029,
143.861

■ 64, 91.860,
136.473

■ 71, 23.352,
144.681

■ 64, 91.864,
136.473

■ 72, 11.616,
145.391

■ 74, 0.026, 316.217

■ 76, 11.460,
326.449

■ 78, 22.612,
326.892

■ 80, 33.437,
327.265

Harmonies

Complementary

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



66, 67.363, 140.658



49, 66.475, 329.165

Rectangle

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



66, 67.363, 140.658



66, 67.363, 190.658



66, 67.363, 320.658



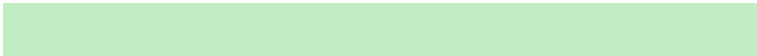
66, 67.363, 10.658

Sweetspot

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



66, 67.364, 140.658



90, 26.098, 144.807



72, 55.864, 107.113



48, 18.294, 144.587



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



66, 67.364, 140.658



83, 96.109, 139.016



67, 45.662, 159.653



38, 6.642, 145.433



56, 81.699, 136.567



8, 18.376, 145.545

Inverse Universe

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



49, 66.475, 329.165



59, 93.421, 329.720



47, 49.363, 353.911



36, 6.654, 326.460



36, 76.532, 330.537



3, 17.792, 326.925

Previews

White Background



This preview shows how the CIELCh color 66, 67.363, 140.658 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 66, 67.363, 140.658 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 66, 67.363, 140.658

Background



This preview shows how black text looks on a background with the CIELCh color 66, 67.363, 140.658.



This preview shows how white text looks on a background with the CIELCh color 66, 67.363, 140.658.

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
66, 67.363, 140.658

Protanopia
65, 47.076, 95.257

Deuteranopia
66, 40.885, 78.125



Tritanopia
66, 23.551, 217.115

Trichromacy



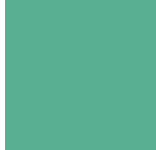
Original Color
66, 67.363, 140.658



Protanomaly
65, 50.479, 118.832



Deuteranomaly
64, 42.617, 112.661



Tritanomaly
66, 33.803, 168.177

Monochromacy



Original Color
66, 67.363, 140.658



Achromatopsia
57, 0.007, 296.813



Achromatomaly
60, 25.970, 144.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 67.363, 140.658 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(73, 182, 79)` looks like.

```
.text, #text, p{  
    color:rgb(73, 182, 79)  
}
```

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(73, 182, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 182, 79) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 67.363, 140.658 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(73, 182, 79) }
```

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

```
.border{ border-color:rgb(73, 182, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 182, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 182, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 182, 79);  
box-shadow:4px 4px 4px 4px rgb(73, 182,  
79) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 67.363, 140.658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 182, 79) }
```

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

```
.background{ background-color: rgb(73, 182,  
79) }
```

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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