

Converting Colors

CIELCh(70, 67.400, 148.390)

Have a look what the booklet for
CIELCh(70, 67.400, 148.390)
contains.

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Color

CIELCh(70, 67.242, 148.546)

Conversions

Conversions Part 1

Format	Color
Hex	33C368
RGB	51, 195, 104
RGB Percent	20%, 76%, 41%
CMY	0.7998, 0.2352, 0.5920
CMYK	0.74, 0.00, 0.47, 0.24
HSL	142°, 59%, 48%
HSV	142°, 74%, 76%
XYZ	23.3898, 40.7494, 19.7366
YIQ	141.5700, -56.6130, -58.8290

Conversions

Conversions Part 2

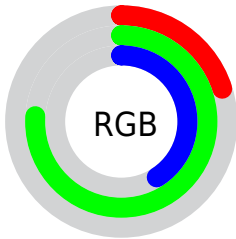
Format	Color
RYB	51, 156, 195
Decimal	3392360
CIELab	70.00, -57.36, 35.09
CIELCh	70, 67.242, 148.546
Yxy	40.7494, 0.2789, 0.4858
Android (android.graphics.Color)	4281582440 (0xFF33C368)
YUV	141.5700, -18.5220, -79.4299
Hunter-Lab	63.8353, -46.3077, 26.3534

Details

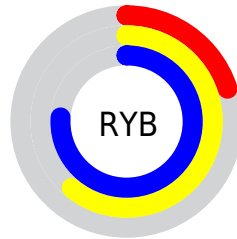
The CIELCh color **70, 67.242, 148.546** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **47, 66.291, 344.688**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 67.524, 148.343**, and **51, 62.756, 144.625** is the 20% darker color. If you saturate the color by 10%, you get **70, 73.801, 146.649**, and if you desaturate by 10%, it is **71, 59.766, 150.252**.

Distribution



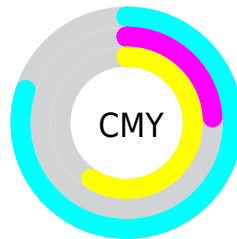
- Red (20%)
- Green (76%)
- Blue (41%)



- Red (20%)
- Yellow (61%)
- Blue (76%)



- Cyan (74%)
- Magenta (0%)
- Yellow (47%)
- Black (24%)





- Cyan (80%)
- Magenta (24%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 67.242, 148.546 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 70, 67.242, 148.546 by changing the saturation by 10% instead.


 70, 67.242,
148.546


 70, 67.242,
148.546


 100, 67.242,
148.546


 60, 67.242,
148.546

 90, 67.242,
148.546

 50, 67.242,
148.546

 40, 67.242,
148.546

 30, 67.242,
148.546

 20, 67.242,
148.546

 10, 67.242,
148.546

 0, 67.242, 148.546

■ 70, 67.242,
148.546

■ 70, 67.242,
148.546

■ 70, 73.801,
146.649

■ 71, 59.766,
150.252

■ 69, 79.392,
144.596

■ 71, 51.485,
151.761

■ 69, 82.451,
143.341

■ 72, 42.555,
153.083

■ 74, 33.152,
154.238

■ 75, 23.449,
155.249

■ 76, 13.603,
156.143

■ 78, 3.745, 156.990

■ 80, 6.021, 337.529

■ 82, 15.616,
338.184

Harmonies

Complementary

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



70, 67.242, 148.546



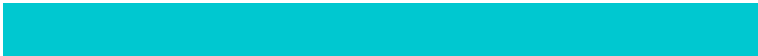
47, 66.291, 344.688

Rectangle

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



70, 67.242, 148.546



70, 67.242, 198.546



70, 67.242, 328.546



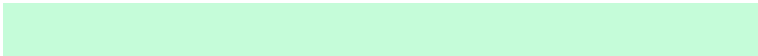
70, 67.242, 18.546

Sweetspot

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



70, 67.243, 148.546



95, 26.704, 155.389



73, 73.166, 121.263



50, 18.081, 155.127



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 67.243, 148.546



88, 94.194, 145.317



71, 41.569, 181.569



40, 5.540, 156.515



58, 70.882, 143.673



10, 20.166, 151.897

Inverse Universe

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



47, 66.291, 344.688



57, 87.136, 347.912



45, 62.008, 22.367



38, 5.579, 337.813



35, 62.946, 349.878



3, 17.273, 344.313

Previews

White Background



This preview shows how the CIELCh color 70, 67.242, 148.546 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 70, 67.242, 148.546 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 70, 67.242, 148.546

Background



This preview shows how black text looks on a background with the CIELCh color 70, 67.242, 148.546.



This preview shows how white text looks on a background with the CIELCh color 70, 67.242, 148.546.

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
70, 67.242, 148.546

Protanopia
69, 40.738, 96.184

Deuteranopia
69, 33.122, 74.096



Tritanopia
70, 29.104, 213.933

Trichromacy



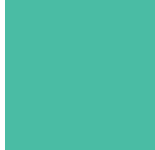
Original Color
70, 67.242, 148.546



Protanomaly
68, 46.409, 127.635



Deuteranomaly
68, 36.594, 123.634



Tritanomaly
70, 38.073, 176.113

Monochromacy



Original Color
70, 67.242, 148.546



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 27.164, 154.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 67.242, 148.546 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(51, 195, 104)` looks like.

```
.text, #text, p{  
    color:rgb(51, 195, 104)  
}
```

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(51, 195, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 195, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 67.242, 148.546 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(51, 195, 104) }
```

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

```
.border{ border-color:rgb(51, 195, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 195, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 195, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 195, 104);  
box-shadow:4px 4px 4px 4px rgb(51, 195,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 67.242, 148.546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 195, 104) }
```

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

```
.background{ background-color: rgb(51, 195,  
104) }
```

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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