

Converting Colors

CIELCh(69, 79.767, 154.780)

Have a look what the booklet for
CIELCh(69, 79.767, 154.780)
contains.

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Color

CIELCh(70, 71.752, 150.211)

Conversions

Conversions Part 1

Format	Color
Hex	00C567
RGB	0, 197, 103
RGB Percent	0%, 77%, 40%
CMY	1.0000, 0.2287, 0.5972
CMYK	1.00, 0.00, 0.48, 0.23
HSL	151°, 100%, 39%
HSV	151°, 100%, 77%
XYZ	22.3075, 40.7494, 19.4455
YIQ	127.3810, -87.2380, -70.9980

Conversions

Conversions Part 2

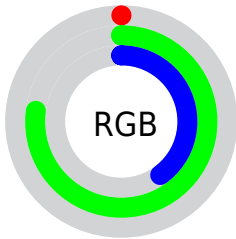
Format	Color
RYB	0, 129, 197
Decimal	50535
CIELab	70.00, -62.27, 35.65
CIELCh	70, 71.752, 150.211
Yxy	40.7494, 0.2704, 0.4939
Android (android.graphics.Color)	4278240615 (0xFF00C567)
YUV	127.3810, -12.0198, -111.7131
Hunter-Lab	63.8353, -49.3341, 26.6237

Details

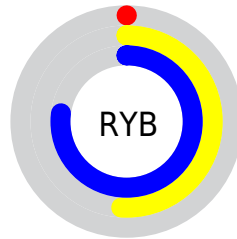
The CIELCh color **70, 71.752, 150.211** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **42, 69.498, 4.341**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 71.885, 150.046**, and **51, 64.124, 144.117** is the 20% darker color. If you saturate the color by 10%, you get **70, 71.707, 150.181**, and if you desaturate by 10%, it is **70, 67.372, 152.404**.

Distribution



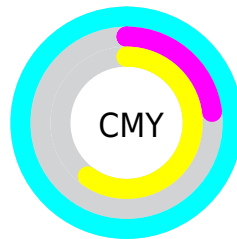
- Red (0%)
- Green (77%)
- Blue (40%)



- Red (0%)
- Yellow (51%)
- Blue (77%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 71.752, 150.211 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, 71.752, 150.211 by changing the saturation by 10% instead.


 70, 71.752,
150.211


 70, 71.752,
150.211


 100, 71.752,
150.211


 60, 71.752,
150.211


 90, 71.752,
150.211

 50, 71.752,
150.211

 40, 71.752,
150.211

 30, 71.752,
150.211

 20, 71.752,
150.211

 10, 71.752,
150.211

 0, 71.752, 150.211

■ 70, 71.752,
150.211

■ 70, 71.752,
150.211

■ 70, 71.707,
150.181

■ 70, 67.372,
152.404

■ 71, 62.361,
154.507

■ 71, 56.529,
156.402

■ 72, 49.899,
158.086

■ 73, 42.559,
159.575

■ 74, 34.637,
160.891

■ 75, 26.280,
162.060

■ 76, 17.634,

163.107

 78, 8.834, 164.064

Harmonies

Complementary

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



70, 71.752, 150.211



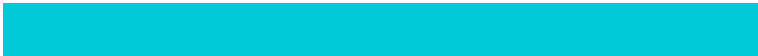
42, 69.498, 4.341

Rectangle

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



70, 71.752, 150.211



70, 71.752, 200.211



70, 71.752, 330.211



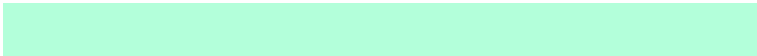
70, 71.752, 20.211

Sweetspot

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



70, 71.707, 150.181



94, 32.434, 162.009



71, 90.264, 128.655



50, 22.031, 161.522



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, 71.707, 150.181



89, 87.873, 149.795



71, 40.253, 199.024



41, 5.055, 164.121



59, 62.009, 150.523



11, 19.696, 156.916

Inverse Universe

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



42, 69.498, 4.341



55, 84.457, 5.123



41, 85.780, 40.162



39, 5.126, 345.614



35, 60.552, 3.662



4, 17.649, 354.331

Previews

White Background



This preview shows how the CIELCh color 70, 71.752, 150.211 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, 71.752, 150.211 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, 71.752, 150.211

Background



This preview shows how black text looks on a background with the CIELCh color 70, 71.752, 150.211.

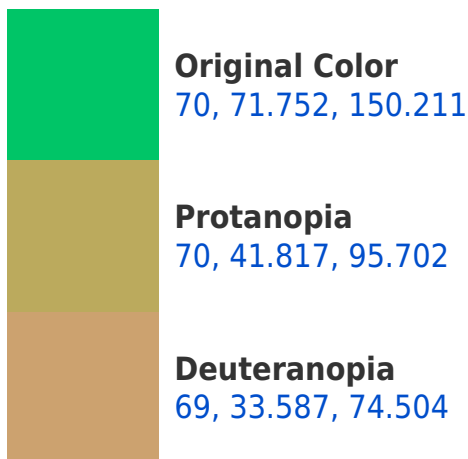


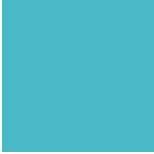
This preview shows how white text looks on a background with the CIELCh color 70, 71.752, 150.211.

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
70, 31.835, 212.275

Trichromacy



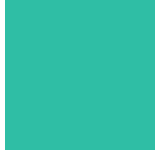
Original Color
70, 71.752, 150.211



Protanomaly
68, 50.560, 134.432



Deuteranomaly
67, 40.501, 133.006



Tritanomaly
70, 42.766, 177.313

Monochromacy



Original Color
70, 71.752, 150.211



Achromatopsia
53, 0.007, 296.813



Achromatomaly
58, 32.513, 160.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 71.752, 150.211 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, 197, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 197, 103)  
}
```

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, 197, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 197, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 71.752, 150.211 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, 197, 103) }
```

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

```
.border{ border-color:rgb(0, 197, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 197, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 197, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 197, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 197,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 71.752, 150.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 197, 103) }
```

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

```
.background{ background-color: rgb(0, 197,  
103) }
```

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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