

Converting Colors

CIELCh(69, 76.461, 154.360)

Have a look what the booklet for
CIELCh(69, 76.461, 154.360)
contains.

CIELCh(70, 70.486, 150.909)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 70.486, 150.909)

Conversions

Conversions Part 1

Format	Color
Hex	02C569
RGB	2, 197, 105
RGB Percent	1%, 77%, 41%
CMY	0.9908, 0.2294, 0.5865
CMYK	0.99, 0.00, 0.46, 0.23
HSL	152°, 98%, 39%
HSV	152°, 99%, 77%
XYZ	22.4547, 40.7494, 20.1674
YIQ	128.2070, -86.6880, -69.9520

Conversions

Conversions Part 2

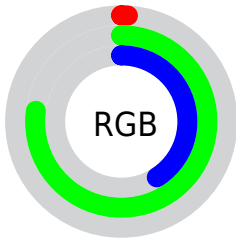
Format	Color
R_{YB}	2, 130, 197
Decimal	181609
CIE _{Lab}	70.00, -61.59, 34.27
CIE _{LCh}	70, 70.486, 150.909
Y _{xy}	40.7494, 0.2693, 0.4888
Android (android.graphics.Color)	4278371689 (0xFF02C569)
YUV	128.2070, -11.4411, -110.6835
Hunter-Lab	63.8353, -48.9226, 25.9533

Details

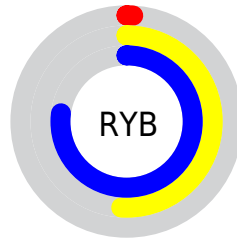
The CIELCh color **70, 70.486, 150.909** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **42, 69.220, 4.684**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 71.120, 150.571**, and **51, 63.363, 144.657** is the 20% darker color. If you saturate the color by 10%, you get **70, 70.984, 150.652**, and if you desaturate by 10%, it is **70, 66.166, 153.139**.

Distribution



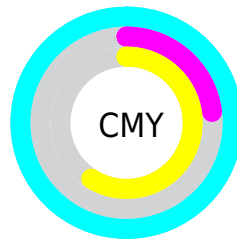
- Red (1%)
- Green (77%)
- Blue (41%)



- Red (1%)
- Yellow (51%)
- Blue (77%)



- Cyan (99%)
- Magenta (0%)
- Yellow (46%)
- Black (23%)





- Cyan (99%)
- Magenta (23%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 70.486, 150.909 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, 70.486, 150.909 by changing the saturation by 10% instead.


 70, 70.486,
150.909


 70, 70.486,
150.909


 100, 70.486,
150.909


 60, 70.486,
150.909


 90, 70.486,
150.909

 50, 70.486,
150.909

 40, 70.486,
150.909

 30, 70.486,
150.909

 20, 70.486,
150.909

 10, 70.486,
150.909

 0, 70.486, 150.909

■ 70, 70.486,
150.909

■ 70, 70.486,
150.909

■ 70, 70.984,
150.652

■ 70, 66.166,
153.139

■ 71, 61.131,
155.218

■ 71, 55.277,
157.087

■ 72, 48.636,
158.746

■ 73, 41.298,
160.214

■ 74, 33.394,
161.514

■ 75, 25.070,
162.669

■ 76, 16.470,

163.707

■ 78, 7.725, 164.663

Harmonies

Complementary

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



70, 70.486, 150.909



42, 69.220, 4.684

Rectangle

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



70, 70.486, 150.909



70, 70.486, 200.909



70, 70.486, 330.909



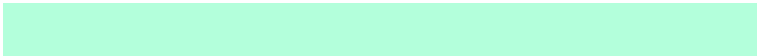
70, 70.486, 20.909

Sweetspot

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



70, 70.486, 150.909



94, 32.210, 162.487



71, 89.801, 128.538



50, 21.876, 161.999



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, 70.486, 150.909



89, 87.044, 150.264



71, 40.167, 199.001



41, 5.024, 164.608



59, 61.430, 150.993



11, 19.552, 157.334

Inverse Universe

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



42, 69.220, 4.684



55, 84.429, 5.991



41, 85.028, 39.825



39, 5.096, 346.111



35, 60.506, 4.501



4, 17.571, 354.860

Previews

White Background



This preview shows how the CIE LCh color 70, 70.486, 150.909 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, 70.486, 150.909 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, 70.486, 150.909

Background



This preview shows how black text looks on a background with the CIELCh color 70, 70.486, 150.909.

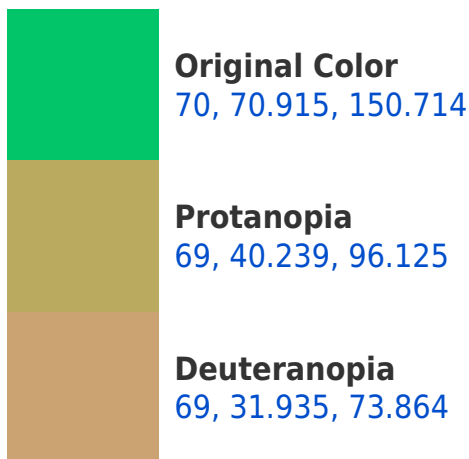


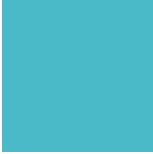
This preview shows how white text looks on a background with the CIELCh color 70, 70.486, 150.909.

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, 70.915, 150.714



Protanomaly
68, 49.669, 135.005



Deuteranomaly
67, 39.092, 134.057



Tritanomaly
70, 42.364, 177.941

Monochromacy



Original Color
70, 70.915, 150.714



Achromatopsia
54, 0.007, 296.813



Achromatomaly
58, 32.106, 160.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 70.486, 150.909 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(2, 197, 105)` looks like.

```
.text, #text, p{  
    color:rgb(2, 197, 105)  
}
```

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(2, 197, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 197, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 70.486, 150.909 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(2, 197, 105) }
```

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

```
.border{ border-color:rgb(2, 197, 105) }
```

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

Here you see how a box with a 4 pixel rgb(2, 197, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 197, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 197, 105);  
box-shadow:4px 4px 4px 4px rgb(2, 197,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 70.486, 150.909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 197, 105) }
```

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

```
.background{ background-color: rgb(2, 197,  
105) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor