

Converting Colors

CIELCh(70, 80.741, 144.651)

Have a look what the booklet for
CIELCh(70, 80.741, 144.651)
contains.

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Color

CIELCh(70, 80.844, 144.663)

Conversions

Conversions Part 1

Format	Color
Hex	00C650
RGB	0, 198, 80
RGB Percent	0%, 78%, 31%
CMY	1.0000, 0.2253, 0.6879
CMYK	1.00, 0.00, 0.60, 0.23
HSL	144°, 100%, 39%
HSV	144°, 100%, 77%
XYZ	21.5187, 40.7494, 14.2392
YIQ	125.3460, -80.1300, -78.6740

Conversions

Conversions Part 2

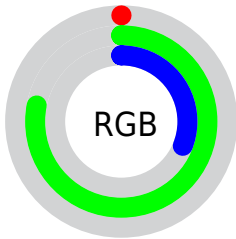
Format	Color
RYB	0, 141, 198
Decimal	50768
CIELab	70.00, -65.95, 46.76
CIELCh	70, 80.844, 144.663
Yxy	40.7494, 0.2813, 0.5326
Android (android.graphics.Color)	4278240848 (0xFF00C650)
YUV	125.3460, -22.3556, -109.9284
Hunter-Lab	63.8353, -51.5397, 31.4594

Details

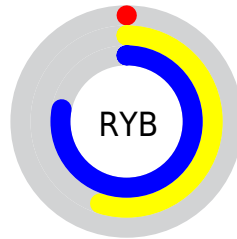
The CIELCh color **70, 80.844, 144.663** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **43, 71.962, 353.303**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 80.165, 144.810**, and **51, 72.853, 138.566** is the 20% darker color. If you saturate the color by 10%, you get **70, 80.839, 144.659**, and if you desaturate by 10%, it is **70, 75.823, 146.777**.

Distribution



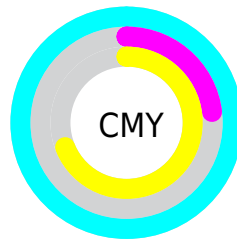
- Red (0%)
- Green (78%)
- Blue (31%)



- Red (0%)
- Yellow (55%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (60%)
- Black (23%)





- Cyan (100%)
- Magenta (23%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 80.844, 144.663 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, 80.844, 144.663 by changing the saturation by 10% instead.


 70, 80.844,
144.663


 70, 80.844,
144.663


 100, 80.844,
144.663


 60, 80.844,
144.663


 90, 80.844,
144.663

 50, 80.844,
144.663

 40, 80.844,
144.663

 30, 80.844,
144.663

 20, 80.844,
144.663

 10, 80.844,
144.663

 0, 80.844, 144.663

■ 70, 80.844,
144.663

■ 70, 80.844,
144.663

■ 70, 80.839,
144.659

■ 70, 75.823,
146.777

■ 71, 69.986,
148.819

■ 71, 63.230,
150.674

■ 72, 55.615,
152.326

■ 73, 47.259,
153.780

■ 74, 38.322,
155.054

■ 75, 28.972,
156.170

■ 76, 19.375,

157.154

■ 78, 9.675, 158.036

Harmonies

Complementary

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



70, 80.844, 144.663



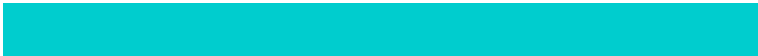
43, 71.962, 353.303

Rectangle

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



70, 80.844, 144.663



70, 80.844, 194.663



70, 80.844, 324.663



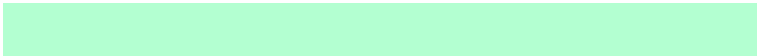
70, 80.844, 14.663

Sweetspot

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



70, 80.839, 144.659



94, 35.635, 156.122



72, 87.145, 124.420



50, 24.242, 155.660



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, 80.839, 144.659



88, 98.748, 144.301



72, 45.444, 182.213



41, 5.516, 158.088



59, 69.648, 144.991



11, 21.533, 152.263

Inverse Universe

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



43, 71.962, 353.303



56, 86.986, 353.837



41, 82.028, 36.053



39, 5.561, 339.434



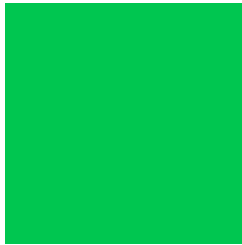
35, 62.607, 352.822



4, 18.980, 346.969

Previews

White Background



This preview shows how the CIELCh color 70, 80.844, 144.663 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, 80.844, 144.663 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, 80.844, 144.663

Background



This preview shows how black text looks on a background with the CIELCh color 70, 80.844, 144.663.

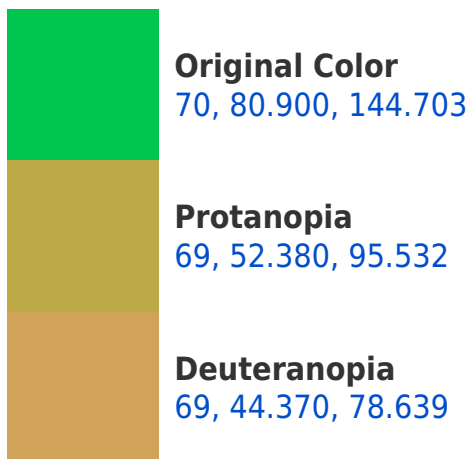


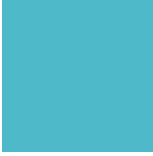
This preview shows how white text looks on a background with the CIELCh color 70, 80.844, 144.663.

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, 30.961, 212.779

Trichromacy



Original Color
70, 80.900, 144.703



Protanomaly
67, 60.295, 128.730



Deuteranomaly
67, 50.389, 126.148



Tritanomaly
69, 45.164, 171.491

Monochromacy



Original Color
70, 80.900, 144.703



Achromatopsia
52, 0.007, 296.813



Achromatomaly
57, 36.167, 153.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 80.844, 144.663 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, 198, 80)` looks like.

```
.text, #text, p{  
    color:rgb(0, 198, 80)  
}
```

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, 198, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 198, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 80.844, 144.663 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, 198, 80) }
```

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

```
.border{ border-color:rgb(0, 198, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 198, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 198, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 198, 80);  
box-shadow:4px 4px 4px 4px rgb(0, 198, 80)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 70, 80.844, 144.663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 198, 80) }
```

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

```
.background{ background-color: rgb(0, 198,  
80) }
```

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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