

Converting Colors

CIELCh(75, 74.874, 151.004)

Have a look what the booklet for
CIELCh(75, 74.874, 151.004)
contains.

CIELCh(75, 74.776, 150.892)	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(75, 74.776, 150.892)

Conversions

Conversions Part 1

Format	Color
Hex	00D472
RGB	0, 212, 114
RGB Percent	0%, 83%, 45%
CMY	1.0000, 0.1688, 0.5531
CMYK	1.00, 0.00, 0.46, 0.17
HSL	152°, 100%, 42%
HSV	152°, 100%, 83%
XYZ	26.5650, 48.2781, 23.8265
YIQ	137.4400, -94.8940, -75.4220

Conversions

Conversions Part 2

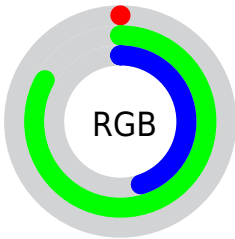
Format	Color
RYB	0, 138, 212
Decimal	54386
CIELab	75.00, -65.33, 36.38
CIELCh	75, 74.776, 150.892
Yxy	48.2781, 0.2692, 0.4893
Android (android.graphics.Color)	4278244466 (0xFF00D472)
YUV	137.4400, -11.5559, -120.5349
Hunter-Lab	69.4824, -53.3489, 28.3063

Details

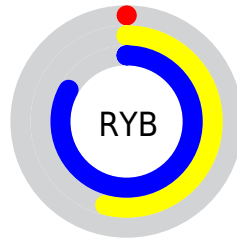
The CIELCh color **75, 74.776, 150.892** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **45, 73.436, 6.090**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 66.687, 152.942**, and **56, 66.805, 145.380** is the 20% darker color. If you saturate the color by 10%, you get **75, 74.771, 150.888**, and if you desaturate by 10%, it is **75, 70.328, 153.141**.

Distribution



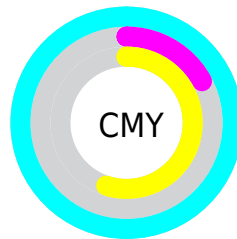
- Red (0%)
- Green (83%)
- Blue (45%)



- Red (0%)
- Yellow (54%)
- Blue (83%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (17%)





- Cyan (100%)
- Magenta (17%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 74.776, 150.892 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 75, 74.776, 150.892 by changing the saturation by 10% instead.


 75, 74.776,
150.892


 75, 74.776,
150.892


 100, 74.776,
150.892


 65, 74.776,
150.892


 95, 74.776,
150.892

 55, 74.776,
150.892

 45, 74.776,
150.892

 35, 74.776,
150.892

 25, 74.776,
150.892

 15, 74.776,
150.892

 5, 74.776, 150.892

■ 0, 74.776, 150.892

■ 75, 74.776,
150.892

■ 75, 74.776,
150.892

■ 75, 74.771,
150.888

■ 75, 70.328,
153.141

■ 76, 65.164,
155.263

■ 76, 59.133,
157.174

■ 77, 52.251,
158.872

■ 78, 44.607,
160.375

■ 79, 36.334,
161.704

■ 80, 27.588,
162.886

■ 82, 18.524,
163.946

■ 83, 9.285, 164.917

Harmonies

Complementary

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



75, 74.776, 150.892



45, 73.436, 6.090

Rectangle

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



75, 74.776, 150.892



75, 74.776, 200.892



75, 74.776, 330.892



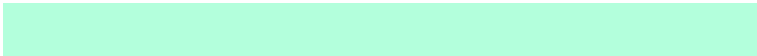
75, 74.776, 20.892

Sweetspot

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



75, 74.771, 150.888



94, 32.043, 162.850



76, 96.046, 129.251



50, 21.760, 162.361



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 74.771, 150.888



89, 86.419, 150.623



75, 41.622, 201.830



44, 5.315, 164.971



62, 63.203, 151.263



14, 22.524, 156.339

Inverse Universe

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



45, 73.436, 6.090



55, 84.423, 6.646



44, 90.525, 40.295



42, 5.394, 346.497



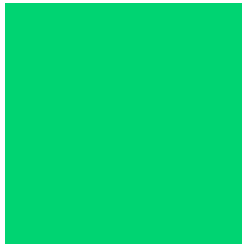
36, 62.555, 5.317



5, 23.180, 356.761

Previews

White Background



This preview shows how the CIELCh color 75, 74.776, 150.892 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 75, 74.776, 150.892 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 75, 74.776, 150.892

Background



This preview shows how black text looks on a background with the CIELCh color 75, 74.776, 150.892.

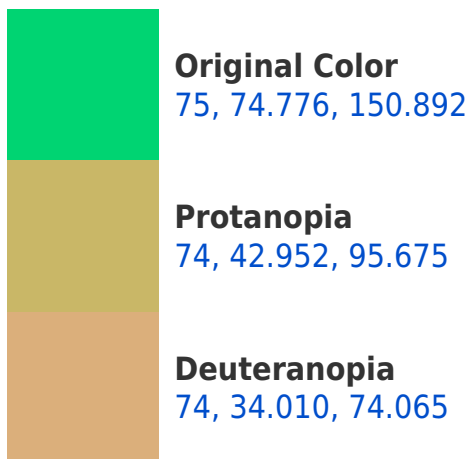


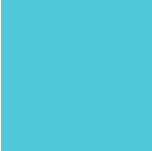
This preview shows how white text looks on a background with the CIELCh color 75, 74.776, 150.892.

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
75, 33.652, 213.184

Trichromacy



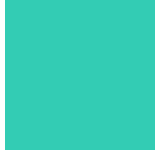
Original Color
75, 74.776, 150.892



Protanomaly
72, 52.695, 135.153



Deuteranomaly
71, 41.208, 134.589



Tritanomaly
74, 44.365, 179.039

Monochromacy



Original Color
75, 74.776, 150.892



Achromatopsia
57, 0.007, 296.813



Achromatomaly
62, 34.030, 161.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 74.776, 150.892 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, 212, 114)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 114)  
}
```

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, 212, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 74.776, 150.892 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, 212, 114) }
```

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

```
.border{ border-color:rgb(0, 212, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 212, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 114);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 74.776, 150.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 114) }
```

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

```
.background{ background-color: rgb(0, 212,  
114) }
```

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