

Converting Colors

CIELCh(76, 75.034, 150.444)

Have a look what the booklet for
CIELCh(76, 75.034, 150.444)
contains.

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Color

CIELCh(76, 75.240, 150.341)

Conversions

Conversions Part 1

Format	Color
Hex	13D773
RGB	19, 215, 115
RGB Percent	7%, 84%, 45%
CMY	0.9239, 0.1575, 0.5496
CMYK	0.91, 0.00, 0.47, 0.16
HSL	149°, 83%, 46%
HSV	149°, 91%, 84%
XYZ	27.6171, 49.8872, 24.3450
YIQ	144.9960, -84.7160, -72.6520

Conversions

Conversions Part 2

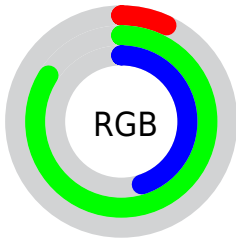
Format	Color
RYB	19, 151, 215
Decimal	1300339
CIELab	76.00, -65.38, 37.23
CIELCh	76, 75.240, 150.341
Yxy	49.8872, 0.2712, 0.4898
Android (android.graphics.Color)	4279490419 (0xFF13D773)
YUV	144.9960, -14.7880, -110.4985
Hunter-Lab	70.6309, -53.8095, 29.0056

Details

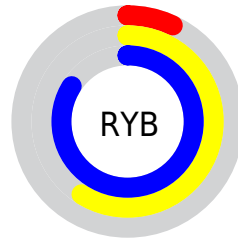
The CIELCh color **76, 75.240, 150.341** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **47, 73.506, 357.866**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 65.659, 152.786**, and **57, 67.890, 145.283** is the 20% darker color. If you saturate the color by 10%, you get **76, 79.589, 148.318**, and if you desaturate by 10%, it is **76, 69.712, 152.476**.

Distribution



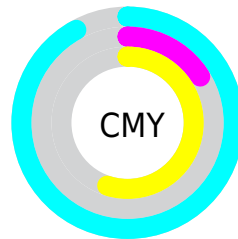
- Red (7%)
- Green (84%)
- Blue (45%)



- Red (7%)
- Yellow (59%)
- Blue (84%)



- Cyan (91%)
- Magenta (0%)
- Yellow (47%)
- Black (16%)





- Cyan (92%)
- Magenta (16%)
- Yellow (55%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 75.240, 150.341 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 76, 75.240, 150.341 by changing the saturation by 10% instead.


 76, 75.240,
150.341


 76, 75.240,
150.341


 100, 75.240,
150.341


 66, 75.240,
150.341


 96, 75.240,
150.341

 56, 75.240,
150.341

 46, 75.240,
150.341

 36, 75.240,
150.341

 26, 75.240,
150.341

 16, 75.240,
150.341

 6, 75.240, 150.341

■ 0, 75.240, 150.341

■ 76, 75.240,
150.341

■ 76, 75.240,
150.341

■ 76, 79.589,
148.318

■ 76, 69.712,
152.476

■ 77, 63.280,
154.408

■ 78, 55.966,
156.125

■ 78, 47.866,
157.641

■ 80, 39.123,
158.976

■ 81, 29.901,
160.155

■ 82, 20.364,
161.204

■ 84, 10.664,
162.153

■ 86, 0.929, 163.407

Harmonies

Complementary

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



76, 75.240, 150.341



47, 73.506, 357.866

Rectangle

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



76, 75.240, 150.341



76, 75.240, 200.341



76, 75.240, 330.341



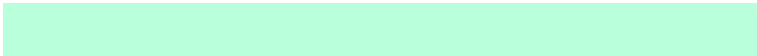
76, 75.240, 20.341

Sweetspot

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



76, 75.240, 150.341



95, 30.047, 160.557



78, 92.274, 126.661



50, 20.195, 160.183



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 75.240, 150.341



88, 91.041, 148.076



78, 43.962, 194.072



44, 5.506, 162.295



61, 66.555, 148.710



14, 23.604, 153.792

Inverse Universe

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



47, 73.506, 357.866



55, 84.775, 1.812



46, 86.045, 37.026



42, 5.573, 343.762



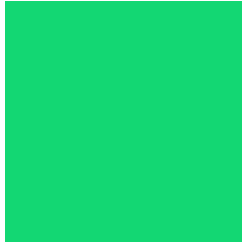
37, 62.941, 0.634



5, 23.650, 353.479

Previews

White Background



This preview shows how the CIELCh color 76, 75.240, 150.341 looks on a white background.

Color Contrast Check

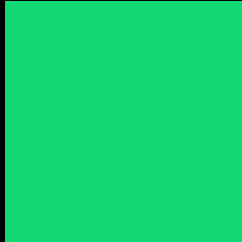
Large Text (above 18pt) WCAG AA × Fail

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 76, 75.240, 150.341 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 76, 75.240, 150.341

Background



This preview shows how black text looks on a background with the CIELCh color 76, 75.240, 150.341.

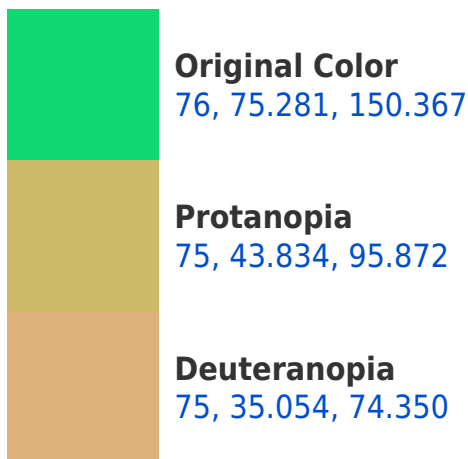


This preview shows how white text looks on a background with the CIELCh color 76, 75.240, 150.341.

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
76, 33.894, 212.054

Trichromacy



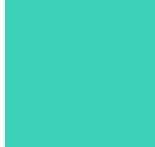
Original Color
76, 75.281, 150.367



Protanomaly
73, 51.794, 132.602



Deuteranomaly
73, 40.801, 130.796



Tritanomaly
75, 44.449, 177.694

Monochromacy



Original Color
76, 75.281, 150.367



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 32.840, 159.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 75.240, 150.341 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(19, 215, 115)` looks like.

```
.text, #text, p{  
    color:rgb(19, 215, 115)  
}
```

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(19, 215, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 215, 115) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 75.240, 150.341 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(19, 215, 115) }
```

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

```
.border{ border-color:rgb(19, 215, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 215, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 215, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 215, 115);  
box-shadow:4px 4px 4px 4px rgb(19, 215,  
115) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 75.240, 150.341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 215, 115) }
```

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

```
.background{ background-color: rgb(19, 215,  
115) }
```

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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