

Converting Colors

CIELCh(72, 75.208, 149.182)

Have a look what the booklet for
CIELCh(72, 75.208, 149.182)
contains.

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Color

CIELCh(72, 75.044, 149.109)

Conversions

Conversions Part 1

Format	Color
Hex	00CB66
RGB	0, 203, 102
RGB Percent	0%, 80%, 40%
CMY	1.0000, 0.2040, 0.6001
CMYK	1.00, 0.00, 0.50, 0.20
HSL	150°, 100%, 40%
HSV	150°, 100%, 80%
XYZ	23.7462, 43.6590, 19.7408
YIQ	130.7890, -88.5670, -74.4470

Conversions

Conversions Part 2

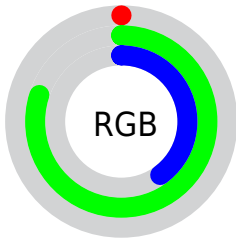
Format	Color
RYB	0, 135, 203
Decimal	52070
CIELab	72.00, -64.40, 38.53
CIELCh	72, 75.044, 149.109
Yxy	43.6590, 0.2725, 0.5010
Android (android.graphics.Color)	4278242150 (0xFF00CB66)
YUV	130.7890, -14.1930, -114.7020
Hunter-Lab	66.0750, -51.4813, 28.5388

Details

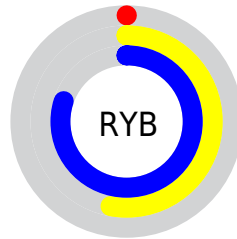
The CIELCh color **72, 75.044, 149.109** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **44, 71.303, 2.535**, and the grayscale version is **55, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 71.733, 149.939**, and **53, 66.930, 143.328** is the 20% darker color. If you saturate the color by 10%, you get **72, 75.041, 149.107**, and if you desaturate by 10%, it is **72, 70.475, 151.333**.

Distribution



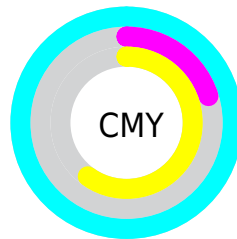
- Red (0%)
- Green (80%)
- Blue (40%)



- Red (0%)
- Yellow (53%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (60%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 75.044, 149.109 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 72, 75.044, 149.109 by changing the saturation by 10% instead.


 72, 75.044,
149.109


 72, 75.044,
149.109


 100, 75.044,
149.109


 62, 75.044,
149.109


 92, 75.044,
149.109

 52, 75.044,
149.109

 42, 75.044,
149.109

 32, 75.044,
149.109

 22, 75.044,
149.109

 12, 75.044,
149.109

 2, 75.044, 149.109

■ 0, 75.044, 149.109

■ 72, 75.044,
149.109

■ 72, 75.044,
149.109

■ 72, 75.041,
149.107

■ 72, 70.475,
151.333

■ 73, 65.194,
153.441

■ 73, 59.060,
155.341

■ 74, 52.099,
157.030

■ 75, 44.406,
158.521

■ 76, 36.116,
159.837

■ 77, 27.384,
161.002

■ 78, 18.363,
162.042

■ 80, 9.194, 162.989

Harmonies

Complementary

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



72, 75.044, 149.109



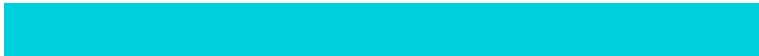
44, 71.303, 2.535

Rectangle

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



72, 75.044, 149.109



72, 75.044, 199.109



72, 75.044, 329.109



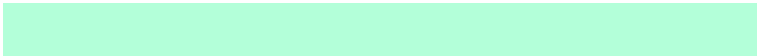
72, 75.044, 19.109

Sweetspot

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



72, 75.041, 149.107



94, 32.944, 160.958



73, 91.955, 128.149



50, 22.384, 160.474



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 75.041, 149.107



88, 89.730, 148.774



74, 42.200, 196.386



42, 5.236, 163.045



60, 64.074, 149.469



12, 21.274, 155.427

Inverse Universe

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



44, 71.303, 2.535



55, 84.602, 3.181



42, 88.059, 40.000



40, 5.303, 344.520



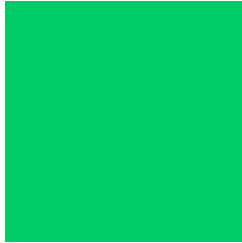
35, 61.403, 1.847



4, 19.895, 353.682

Previews

White Background



This preview shows how the CIELCh color 72, 75.044, 149.109 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 72, 75.044, 149.109 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 72, 75.044, 149.109

Background



This preview shows how black text looks on a background with the CIELCh color 72, 75.044, 149.109.



This preview shows how white text looks on a background with the CIELCh color 72, 75.044, 149.109.

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



Original Color

72, 75.044, 149.109

Protanopia

71, 44.680, 95.610

Deuteranopia

71, 36.200, 75.353



Tritanopia
72, 32.189, 213.076

Trichromacy



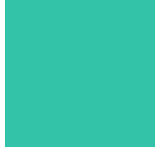
Original Color
72, 75.044, 149.109



Protanomaly
69, 53.198, 133.218



Deuteranomaly
69, 42.831, 131.891



Tritanomaly
71, 43.538, 176.997

Monochromacy



Original Color
72, 75.044, 149.109



Achromatopsia
55, 0.007, 296.813



Achromatomaly
59, 34.261, 158.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 75.044, 149.109 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, 203, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 102)  
}
```

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, 203, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 75.044, 149.109 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, 203, 102) }
```

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

```
.border{ border-color:rgb(0, 203, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 203, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 75.044, 149.109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 102) }
```

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

```
.background{ background-color: rgb(0, 203,  
102) }
```

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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