

Converting Colors

CIELCh(72, 80.882, 145.736)

Have a look what the booklet for
CIELCh(72, 80.882, 145.736)
contains.

CIELCh(72, 81.154, 145.581)	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(72, 81.154, 145.581)

Conversions

Conversions Part 1

Format	Color
Hex	00CC57
RGB	0, 204, 87
RGB Percent	0%, 80%, 34%
CMY	1.0000, 0.2016, 0.6603
CMYK	1.00, 0.00, 0.57, 0.20
HSL	146°, 100%, 40%
HSV	146°, 100%, 80%
XYZ	23.1746, 43.6590, 16.1426
YIQ	129.6660, -84.0270, -79.6350

Conversions

Conversions Part 2

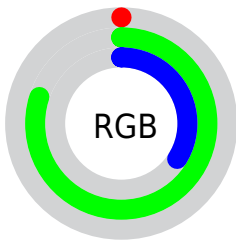
Format	Color
RYB	0, 143, 204
Decimal	52311
CIELab	72.00, -66.95, 45.87
CIELCh	72, 81.154, 145.581
Yxy	43.6590, 0.2793, 0.5262
Android (android.graphics.Color)	4278242391 (0xFF00CC57)
YUV	129.6660, -21.0343, -113.7171
Hunter-Lab	66.0750, -53.0255, 31.7675

Details

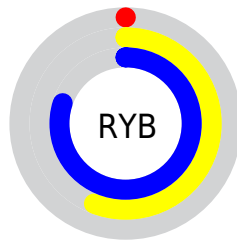
The CIELCh color **72, 81.154, 145.581** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **44, 72.910, 355.378**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **90, 77.343, 146.212**, and **53, 73.052, 139.729** is the 20% darker color. If you saturate the color by 10%, you get **72, 81.098, 145.543**, and if you desaturate by 10%, it is **72, 76.077, 147.703**.

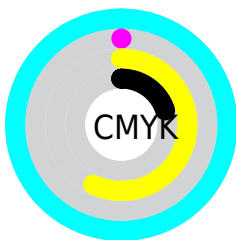
Distribution



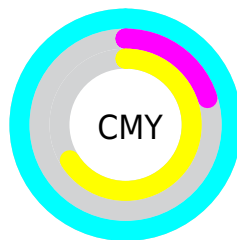
- Red (0%)
- Green (80%)
- Blue (34%)



- Red (0%)
- Yellow (56%)
- Blue (80%)



- Cyan (100%)
- Magenta (0%)
- Yellow (57%)
- Black (20%)





- Cyan (100%)
- Magenta (20%)
- Yellow (66%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 81.154, 145.581 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, 81.154, 145.581 by changing the saturation by 10% instead.


 72, 81.154,
145.581


 72, 81.154,
145.581


 100, 81.154,
145.581


 62, 81.154,
145.581


 92, 81.154,
145.581

 52, 81.154,
145.581

 42, 81.154,
145.581

 32, 81.154,
145.581

 22, 81.154,
145.581

 12, 81.154,
145.581

 2, 81.154, 145.581

■ 0, 81.154, 145.581

■ 72, 81.154,
145.581

■ 72, 81.154,
145.581

■ 72, 81.098,
145.543

■ 72, 76.077,
147.703

■ 73, 70.248,
149.771

■ 73, 63.500,
151.646

■ 74, 55.885,
153.314

■ 75, 47.519,
154.783

■ 76, 38.556,
156.071

■ 77, 29.166,
157.202

■ 79, 19.516,
158.201

■ 80, 9.750, 159.099

Harmonies

Complementary

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



72, 81.154, 145.581



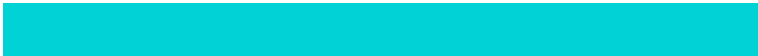
44, 72.910, 355.378

Rectangle

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



72, 81.154, 145.581



72, 81.154, 195.581



72, 81.154, 325.581



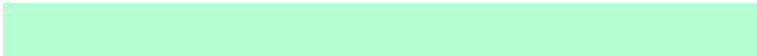
72, 81.154, 15.581

Sweetspot

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



72, 81.098, 145.543



94, 35.006, 157.160



74, 89.655, 125.124



50, 23.808, 156.692



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, 81.098, 145.543



88, 96.758, 145.227



74, 45.640, 184.368



42, 5.539, 159.152



60, 69.071, 145.899



12, 22.653, 152.291

Inverse Universe

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



44, 72.910, 355.378



55, 86.214, 355.883



42, 84.787, 36.929



40, 5.589, 340.531



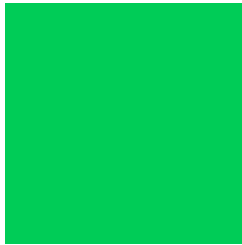
36, 62.724, 354.826



4, 20.772, 348.791

Previews

White Background



This preview shows how the CIELCh color 72, 81.154, 145.581 looks on a white background.

Color Contrast Check

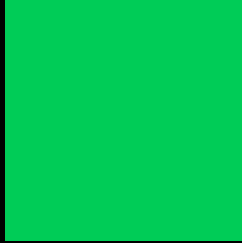
Large Text (above 18pt) WCAG AA × Fail

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, 81.154, 145.581 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, 81.154, 145.581

Background



This preview shows how black text looks on a background with the CIELCh color 72, 81.154, 145.581.



This preview shows how white text looks on a background with the CIELCh color 72, 81.154, 145.581.

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, 81.154, 145.581

Protanopia

71, 51.366, 95.647

Deuteranopia

71, 43.437, 77.859



Tritanopia
72, 31.853, 213.269

Trichromacy



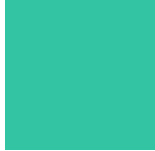
Original Color
72, 81.154, 145.581



Protanomaly
69, 59.652, 129.791



Deuteranomaly
69, 49.453, 127.053



Tritanomaly
71, 45.694, 172.710

Monochromacy



Original Color
72, 81.154, 145.581



Achromatopsia
54, 0.007, 296.813



Achromatomaly
59, 36.285, 155.569

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 81.154, 145.581 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, 204, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 204, 87)  
}
```

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, 204, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 204, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 81.154, 145.581 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, 204, 87) }
```

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

```
.border{ border-color:rgb(0, 204, 87) }
```

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

Here you see how a box with a 4 pixel rgb(0, 204, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 204, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 204, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 204, 87)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 72, 81.154, 145.581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 204, 87) }
```

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

```
.background{ background-color: rgb(0, 204,  
87) }
```

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