

Converting Colors

CIELCh(80, 80.044, 150.109)

Have a look what the booklet for
CIELCh(80, 80.044, 150.109)
contains.

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Color

CIELCh(80, 80.092, 150.138)

Conversions

Conversions Part 1

Format	Color
Hex	00E478
RGB	0, 228, 120
RGB Percent	0%, 89%, 47%
CMY	0.9986, 0.1070, 0.5304
CMYK	1.00, 0.00, 0.47, 0.11
HSL	152°, 100%, 45%
HSV	152°, 100%, 89%
XYZ	31.0436, 56.6813, 26.9921
YIQ	147.5160, -101.2200, -81.9240

Conversions

Conversions Part 2

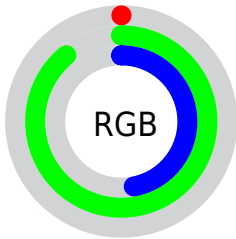
Format	Color
RYB	0, 149, 228
Decimal	58488
CIELab	80.00, -69.46, 39.88
CIELCh	80, 80.092, 150.138
Yxy	56.6813, 0.2706, 0.4941
Android (android.graphics.Color)	4278248568 (0xFF00E478)
YUV	147.5160, -13.5654, -129.3715
Hunter-Lab	75.2870, -58.1500, 31.4440

Details

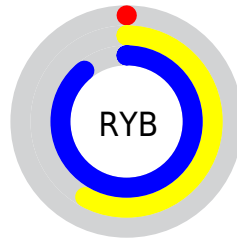
The CIELCh color **80, 80.092, 150.138** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **49, 77.510, 5.012**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 63.394, 154.646**, and **61, 72.186, 144.931** is the 20% darker color. If you saturate the color by 10%, you get **80, 80.167, 150.102**, and if you desaturate by 10%, it is **80, 75.317, 152.410**.

Distribution



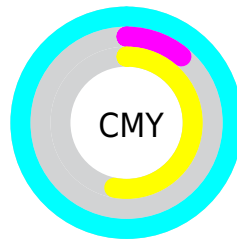
- Red (0%)
- Green (89%)
- Blue (47%)



- Red (0%)
- Yellow (58%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (47%)
- Black (11%)





- Cyan (100%)
- Magenta (11%)
- Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 80.092, 150.138 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 80, 80.092, 150.138 by changing the saturation by 10% instead.


 80, 80.092,
150.138


 80, 80.092,
150.138


 100, 80.092,
150.138


 70, 80.092,
150.138

 60, 80.092,
150.138

 50, 80.092,
150.138

 40, 80.092,
150.138

 30, 80.092,
150.138

 20, 80.092,
150.138

 10, 80.092,

150.138

■ 0, 80.092, 150.138

■ 80, 80.092,
150.138

■ 80, 80.092,
150.138

■ 80, 80.167,
150.102

■ 80, 75.317,
152.410

■ 81, 69.752,
154.545

■ 81, 63.257,
156.468

■ 82, 55.854,
158.177

■ 83, 47.638,
159.686

■ 84, 38.755,
161.019

■ 85, 29.373,
162.202

■ 87, 19.660,
163.260

■ 89, 9.769, 164.228

Harmonies

Complementary

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



80, 80.092, 150.138



49, 77.510, 5.012

Rectangle

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



80, 80.092, 150.138



80, 80.092, 200.138



80, 80.092, 330.138



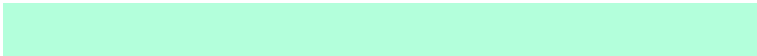
80, 80.092, 20.138

Sweetspot

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



80, 80.092, 150.138



94, 32.361, 162.163



81, 100.849, 128.787



50, 21.980, 161.676



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 80.092, 150.138



89, 87.605, 149.945



81, 44.914, 199.045



47, 5.676, 164.264



64, 66.284, 150.503



18, 25.637, 154.728

Inverse Universe

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



49, 77.510, 5.012



55, 84.445, 5.404



48, 95.700, 40.096



45, 5.757, 345.789



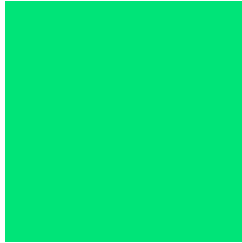
38, 64.661, 4.275



7, 27.383, 356.853

Previews

White Background



This preview shows how the CIELCh color 80, 80.092, 150.138 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 CIE LCh color 80, 80.092, 150.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

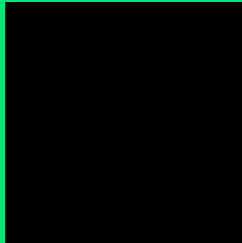
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 80.092, 150.138

Background



This preview shows how black text looks on a background with the CIELCh color 80, 80.092, 150.138.

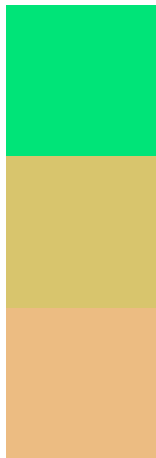


This preview shows how white text looks on a background with the CIELCh color 80, 80.092, 150.138.

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

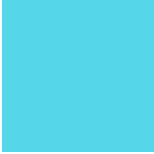
80, 80.139, 150.166

Protanopia

79, 46.472, 95.943

Deuteranopia

79, 37.209, 74.424



Tritanopia
80, 35.614, 212.962

Trichromacy



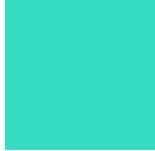
Original Color
80, 80.139, 150.166



Protanomaly
77, 56.362, 134.485



Deuteranomaly
76, 44.907, 133.407



Tritanomaly
80, 47.648, 177.742

Monochromacy



Original Color
80, 80.139, 150.166



Achromatopsia
61, 0.008, 296.813



Achromatomaly
66, 36.422, 160.206

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 80.092, 150.138 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, 228, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 228, 120)  
}
```

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, 228, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 228, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 80.092, 150.138 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, 228, 120) }
```

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

```
.border{ border-color:rgb(0, 228, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 228, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 228, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 228, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 228,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 80.092, 150.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 228, 120) }
```

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

```
.background{ background-color: rgb(0, 228,  
120) }
```

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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