

Converting Colors

CIELCh(78, 80.736, 148.794)

Have a look what the booklet for
CIELCh(78, 80.736, 148.794)
contains.

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Color

CIElCh(78, 80.692, 148.845)

Conversions

Conversions Part 1

Format	Color
Hex	00DE6F
RGB	0, 222, 111
RGB Percent	0%, 87%, 44%
CMY	1.0000, 0.1306, 0.5658
CMYK	1.00, 0.00, 0.50, 0.13
HSL	150°, 100%, 43%
HSV	150°, 100%, 87%
XYZ	28.8739, 53.2120, 23.7089
YIQ	142.9680, -96.6810, -81.5850

Conversions

Conversions Part 2

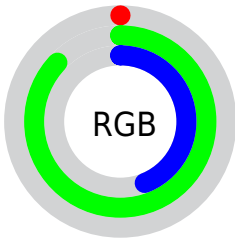
Format	Color
RYB	0, 148, 222
Decimal	56943
CIELab	78.00, -69.05, 41.75
CIELCh	78, 80.692, 148.845
Yxy	53.2120, 0.2729, 0.5030
Android (android.graphics.Color)	4278247023 (0xFF00DE6F)
YUV	142.9680, -15.7602, -125.3829
Hunter-Lab	72.9466, -57.0021, 31.7923

Details

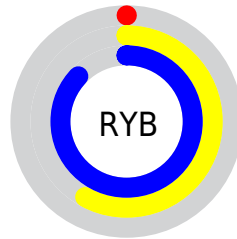
The CIELCh color **78, 80.692, 148.845** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **48, 76.185, 2.513**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 67.346, 151.729**, and **59, 72.629, 143.465** is the 20% darker color. If you saturate the color by 10%, you get **78, 80.652, 148.820**, and if you desaturate by 10%, it is **78, 75.781, 151.073**.

Distribution



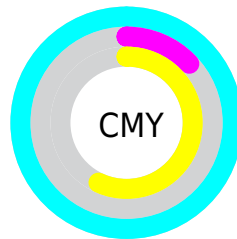
- Red (0%)
- Green (87%)
- Blue (44%)



- Red (0%)
- Yellow (58%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)





- Cyan (100%)
- Magenta (13%)
- Yellow (57%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 80.692, 148.845 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 78, 80.692, 148.845 by changing the saturation by 10% instead.


 78, 80.692,
148.845


 78, 80.692,
148.845


 100, 80.692,
148.845

 68, 80.692,
148.845


 98, 80.692,
148.845

 58, 80.692,
148.845

 48, 80.692,
148.845

 38, 80.692,
148.845

 28, 80.692,
148.845

 18, 80.692,
148.845

 8, 80.692, 148.845

■ 0, 80.692, 148.845

■ 78, 80.692,
148.845

■ 78, 80.692,
148.845

■ 78, 80.652,
148.820

■ 78, 75.781,
151.073

■ 79, 70.125,
153.200

■ 79, 63.547,
155.120

■ 80, 56.072,
156.825

■ 81, 47.802,
158.329

■ 82, 38.883,
159.655

■ 83, 29.483,
160.828

■ 85, 19.771,
161.874

■ 86, 9.898, 162.826

Harmonies

Complementary

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



78, 80.692, 148.845



48, 76.185, 2.513

Rectangle

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



78, 80.692, 148.845



78, 80.692, 198.845



78, 80.692, 328.845



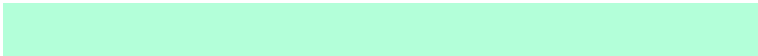
78, 80.692, 18.845

Sweetspot

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



78, 80.652, 148.820



94, 33.021, 160.802



79, 97.800, 127.678



50, 22.438, 160.320



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

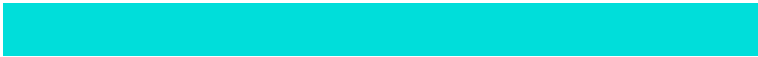
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 80.652, 148.820



88, 90.008, 148.625



80, 45.662, 193.831



45, 5.569, 162.879



62, 66.568, 149.233



16, 24.344, 154.000

Inverse Universe

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



48, 76.185, 2.513



55, 84.634, 2.891



46, 93.380, 39.453



43, 5.640, 344.365



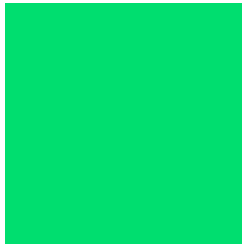
37, 63.498, 1.729



6, 25.074, 354.486

Previews

White Background



This preview shows how the CIELCh color 78, 80.692, 148.845 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 78, 80.692, 148.845 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 78, 80.692, 148.845

Background



This preview shows how black text looks on a background with the CIELCh color 78, 80.692, 148.845.

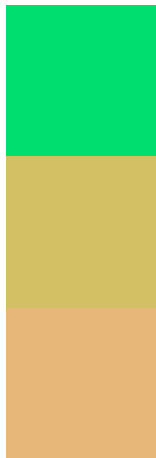


This preview shows how white text looks on a background with the CIELCh color 78, 80.692, 148.845.

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](#).

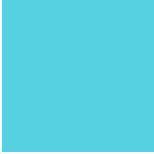
Dichromacy



Original Color
78, 80.692, 148.845

Protanopia
77, 48.187, 95.414

Deuteranopia
77, 39.246, 75.630



Tritanopia
78, 34.596, 212.604

Trichromacy



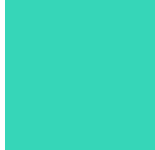
Original Color
78, 80.692, 148.845



Protanomaly
75, 57.531, 133.101



Deuteranomaly
74, 46.578, 131.406



Tritanomaly
77, 47.353, 176.109

Monochromacy



Original Color
78, 80.692, 148.845



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 37.051, 158.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 80.692, 148.845 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, 222, 111)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 111)  
}
```

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, 222, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 80.692, 148.845 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, 222, 111) }
```

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

```
.border{ border-color:rgb(0, 222, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 111);  
box-shadow:4px 4px 4px 4px rgb(0, 222,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 80.692, 148.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 111) }
```

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

```
.background{ background-color: rgb(0, 222,  
111) }
```

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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