

Converting Colors

CIELCh(80, 66.320, 157.039)

Have a look what the booklet for
CIELCh(80, 66.320, 157.039)
contains.

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Color

CIELCh(80, 66.050, 157.211)

Conversions

Conversions Part 1

Format	Color
Hex	2CE194
RGB	44, 225, 148
RGB Percent	17%, 88%, 58%
CMY	0.8256, 0.1166, 0.4187
CMYK	0.80, 0.00, 0.34, 0.12
HSL	154°, 75%, 53%
HSV	154°, 80%, 88%
XYZ	33.4180, 56.6813, 37.2937
YIQ	162.1030, -83.1590, -62.3190

Conversions

Conversions Part 2

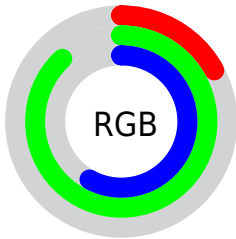
Format	Color
RYB	44, 159, 225
Decimal	2941332
CIELab	80.00, -60.89, 25.58
CIElCh	80, 66.050, 157.211
Yxy	56.6813, 0.2623, 0.4449
Android (android.graphics.Color)	4281131412 (0xFF2CE194)
YUV	162.1030, -6.9528, -103.5763
Hunter-Lab	75.2870, -52.5206, 23.3314

Details

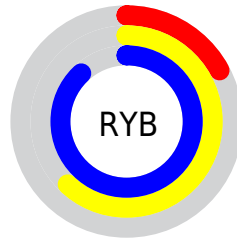
The CIELCh color **80, 66.050, 157.211** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **51, 71.365, 1.333**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 51.192, 163.913**, and **61, 59.699, 153.566** is the 20% darker color. If you saturate the color by 10%, you get **80, 71.098, 155.076**, and if you desaturate by 10%, it is **81, 60.101, 159.132**.

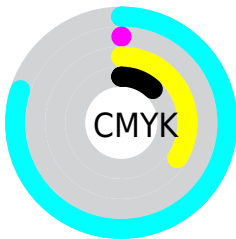
Distribution



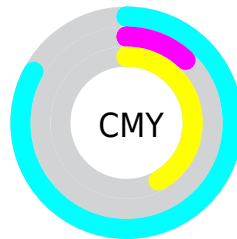
- Red (17%)
- Green (88%)
- Blue (58%)



- Red (17%)
- Yellow (62%)
- Blue (88%)



- Cyan (80%)
- Magenta (0%)
- Yellow (34%)
- Black (12%)





- Cyan (83%)
- Magenta (12%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 66.050, 157.211 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, 66.050, 157.211 by changing the saturation by 10% instead.


 80, 66.050,
157.211


 80, 66.050,
157.211


 100, 66.050,
157.211


 70, 66.050,
157.211

 60, 66.050,
157.211

 50, 66.050,
157.211

 40, 66.050,
157.211

 30, 66.050,
157.211

 20, 66.050,
157.211

 10, 66.050,

157.211

■ 0, 66.050, 157.211

■ 80, 66.050,
157.211

■ 80, 66.050,
157.211

■ 80, 71.098,
155.076

■ 81, 60.101,
159.132

■ 79, 75.308,
152.861

■ 81, 53.257,
160.842

■ 82, 45.600,
162.356

■ 83, 37.264,
163.701

■ 85, 28.404,
164.900

■ 86, 19.184,
165.981

■ 88, 9.751, 166.976

■ 90, 0.235, 169.832

■ 92, 9.260, 348.579

Harmonies

Complementary

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



80, 66.050, 157.211



51, 71.365, 1.333

Rectangle

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



80, 66.050, 157.211



80, 66.050, 207.211



80, 66.050, 337.211



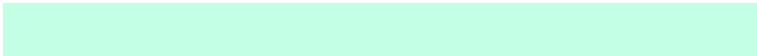
80, 66.050, 27.211

Sweetspot

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



80, 66.050, 157.211



95, 25.066, 165.571



81, 91.905, 128.688



50, 17.164, 165.181



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, 66.050, 157.211



89, 81.158, 153.609



78, 40.424, 206.017



46, 5.384, 167.055



63, 62.122, 153.272



17, 23.529, 157.723

Inverse Universe

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



51, 71.365, 1.333



55, 83.830, 8.247



51, 78.837, 36.313



44, 5.477, 348.631



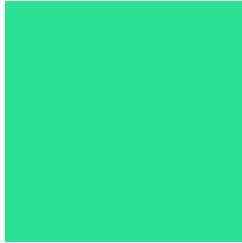
37, 63.973, 8.939



6, 25.836, 0.006

Previews

White Background



This preview shows how the CIELCh color 80, 66.050, 157.211 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 80, 66.050, 157.211 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, 66.050, 157.211

Background



This preview shows how black text looks on a background with the CIELCh color 80, 66.050, 157.211.

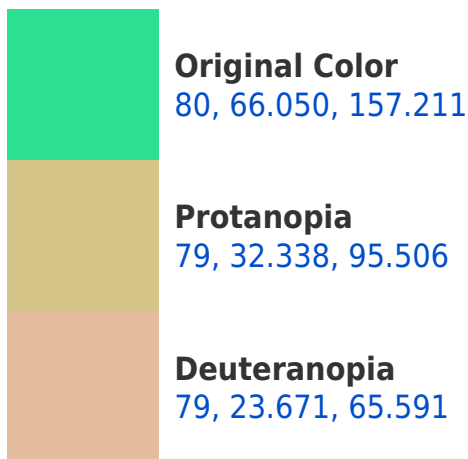


This preview shows how white text looks on a background with the CIELCh color 80, 66.050, 157.211.

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
80, 35.275, 212.214

Trichromacy



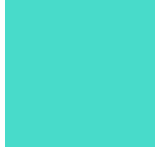
Original Color
80, 66.050, 157.211



Protanomaly
78, 41.389, 138.060



Deuteranomaly
77, 29.798, 138.552



Tritanomaly
80, 42.504, 184.046

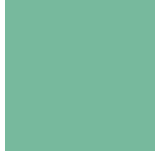
Monochromacy



Original Color
80, 66.050, 157.211



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 28.320, 164.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 66.050, 157.211 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(44, 225, 148)` looks like.

```
.text, #text, p{  
    color:rgb(44, 225, 148)  
}
```

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(44, 225, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 225, 148) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 66.050, 157.211 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(44, 225, 148) }
```

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

```
.border{ border-color:rgb(44, 225, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 225, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 225, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 225, 148);  
box-shadow:4px 4px 4px 4px rgb(44, 225,  
148) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 66.050, 157.211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 225, 148) }
```

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

```
.background{ background-color: rgb(44, 225,  
148) }
```

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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