

Converting Colors

CIELCh(80, 65.367, 158.596)

Have a look what the booklet for
CIELCh(80, 65.367, 158.596)
contains.

CIELCh(80, 65.014, 158.803)	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(80, 65.014, 158.803)

Conversions

Conversions Part 1

Format	Color
Hex	27E198
RGB	39, 225, 152
RGB Percent	15%, 88%, 60%
CMY	0.8489, 0.1167, 0.4030
CMYK	0.83, 0.00, 0.32, 0.12
HSL	157°, 76%, 52%
HSV	157°, 83%, 88%
XYZ	33.4972, 56.6813, 38.9785
YIQ	161.0640, -87.4230, -62.1350

Conversions

Conversions Part 2

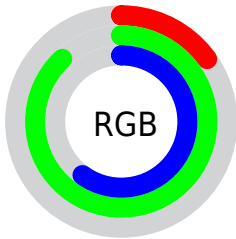
Format	Color
RYB	39, 155, 225
Decimal	2613656
CIELab	80.00, -60.62, 23.51
CIELCh	80, 65.014, 158.803
Yxy	56.6813, 0.2594, 0.4389
Android (android.graphics.Color)	4280803736 (0xFF27E198)
YUV	161.0640, -4.4686, -107.0501
Hunter-Lab	75.2870, -52.3328, 22.0046

Details

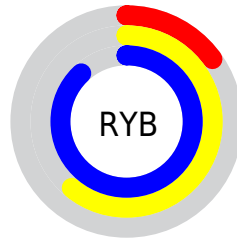
The CIELCh color **80, 65.014, 158.803** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **50, 72.237, 5.247**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 49.928, 166.486**, and **61, 58.092, 155.027** is the 20% darker color. If you saturate the color by 10%, you get **80, 69.510, 156.633**, and if you desaturate by 10%, it is **80, 59.640, 160.763**.

Distribution



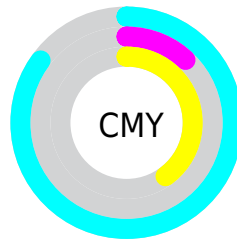
- Red (15%)
- Green (88%)
- Blue (60%)



- Red (15%)
- Yellow (61%)
- Blue (88%)



- Cyan (83%)
- Magenta (0%)
- Yellow (32%)
- Black (12%)





- Cyan (85%)
- Magenta (12%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 65.014, 158.803 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, 65.014, 158.803 by changing the saturation by 10% instead.


 80, 65.014,
158.803


 80, 65.014,
158.803


 100, 65.014,
158.803


 70, 65.014,
158.803


 60, 65.014,
158.803

 50, 65.014,
158.803

 40, 65.014,
158.803

 30, 65.014,
158.803

 20, 65.014,
158.803

 10, 65.014,

158.803

■ 0, 65.014, 158.803

■ 80, 65.014,
158.803

■ 80, 65.014,
158.803

■ 80, 69.510,
156.633

■ 80, 59.640,
160.763

■ 79, 72.305,
155.022

■ 81, 53.363,
162.513

■ 82, 46.240,
164.067

■ 83, 38.388,
165.449

■ 84, 29.954,
166.686

■ 86, 21.094,
167.803

■ 87, 11.961,
168.829

■ 89, 2.688, 169.893

■ 91, 6.613, 350.491

Harmonies

Complementary

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



80, 65.014, 158.803



50, 72.237, 5.247

Rectangle

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



80, 65.014, 158.803



80, 65.014, 208.803



80, 65.014, 338.803



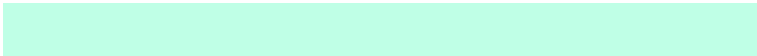
80, 65.014, 28.803

Sweetspot

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



80, 65.014, 158.803



95, 25.415, 167.558



81, 94.643, 129.778



50, 17.271, 167.167



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, 65.014, 158.803



89, 79.242, 155.075



76, 39.592, 211.707



46, 5.257, 169.172



63, 59.669, 155.431



17, 22.701, 159.830

Inverse Universe

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



50, 72.237, 5.247



54, 84.913, 13.179



51, 80.356, 38.201



44, 5.362, 350.779



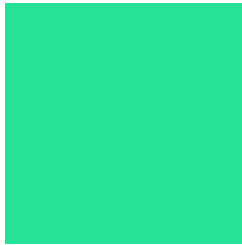
37, 64.286, 12.327



6, 25.645, 2.318

Previews

White Background



This preview shows how the CIELCh color 80, 65.014, 158.803 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, 65.014, 158.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

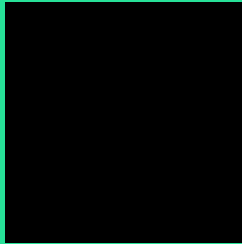
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 65.014, 158.803

Background



This preview shows how black text looks on a background with the CIELCh color 80, 65.014, 158.803.

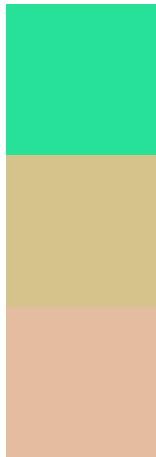


This preview shows how white text looks on a background with the CIELCh color 80, 65.014, 158.803.

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](#).

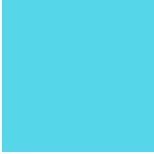
Dichromacy



Original Color
80, 64.941, 158.763

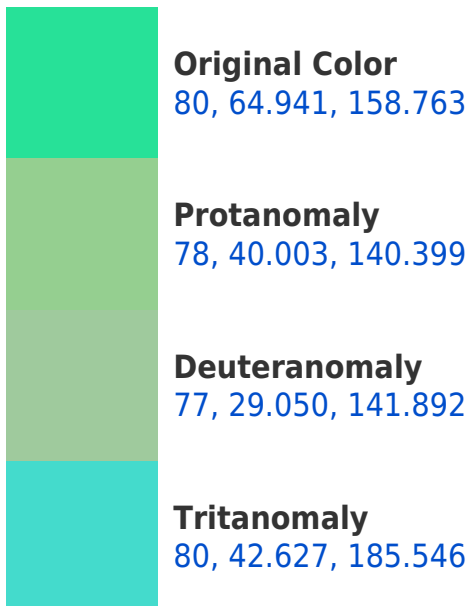
Protanopia
79, 30.305, 94.969

Deuteranopia
79, 22.168, 63.807



Tritanopia
80, 35.770, 212.882

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 65.014, 158.803 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(39, 225, 152)` looks like.

```
.text, #text, p{  
    color:rgb(39, 225, 152)  
}
```

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(39, 225, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 225, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 65.014, 158.803 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(39, 225, 152) }
```

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

```
.border{ border-color:rgb(39, 225, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 225, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 225, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 225, 152);  
box-shadow:4px 4px 4px 4px rgb(39, 225,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 65.014, 158.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 225, 152) }
```

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

```
.background{ background-color: rgb(39, 225,  
152) }
```

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