

Converting Colors

CIELCh(80, 58.570, 161.456)

Have a look what the booklet for
CIELCh(80, 58.570, 161.456)
contains.

CIELCh(80, 58.667, 161.468)	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, 58.667, 161.468)

Conversions

Conversions Part 1

Format	Color
Hex	3CE0A2
RGB	60, 224, 162
RGB Percent	24%, 88%, 64%
CMY	0.7629, 0.1230, 0.3661
CMYK	0.73, 0.00, 0.28, 0.12
HSL	157°, 72%, 56%
HSV	157°, 73%, 88%
XYZ	34.9373, 56.6813, 43.1198
YIQ	167.8960, -77.8420, -54.0500

Conversions

Conversions Part 2

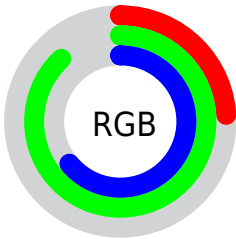
Format	Color
RYB	60, 161, 224
Decimal	3989666
CIELab	80.00, -55.62, 18.65
CIElCh	80, 58.667, 161.468
Yxy	56.6813, 0.2593, 0.4207
Android (android.graphics.Color)	4282179746 (0xFF3CE0A2)
YUV	167.8960, -2.9067, -94.6248
Hunter-Lab	75.2870, -48.9184, 18.7432

Details

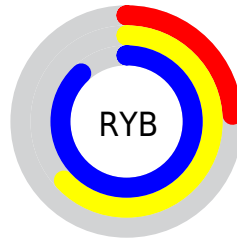
The CIELCh color **80, 58.667, 161.468** is a light color, and the websafe version is hex **00CC99**. The color can be described as light washed spring green. A complement of this color would be **52, 66.435, 2.623**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 44.603, 170.444**, and **61, 54.505, 158.620** is the 20% darker color. If you saturate the color by 10%, you get **80, 63.900, 159.515**, and if you desaturate by 10%, it is **81, 52.538, 163.210**.

Distribution



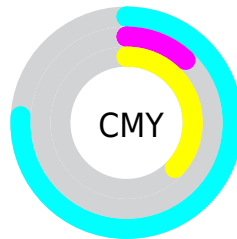
- Red (24%)
- Green (88%)
- Blue (64%)



- Red (24%)
- Yellow (63%)
- Blue (88%)



- Cyan (73%)
- Magenta (0%)
- Yellow (28%)
- Black (12%)



- Cyan (76%)
- Magenta (12%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 58.667, 161.468 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, 58.667, 161.468 by changing the saturation by 10% instead.

 80, 58.667,
161.468

 80, 58.667,
161.468

 100, 58.667,
161.468

 70, 58.667,
161.468

 60, 58.667,
161.468

 50, 58.667,
161.468

 40, 58.667,
161.468

 30, 58.667,
161.468

 20, 58.667,
161.468

 10, 58.667,

161.468

■ 0, 58.667, 161.468

■ 80, 58.667,
161.468

■ 80, 58.667,
161.468

■ 80, 63.900,
159.515

■ 81, 52.538,
163.210

■ 79, 68.260,
157.354

■ 81, 45.566,
164.759

■ 79, 70.943,
155.765

■ 83, 37.863,
166.139

■ 84, 29.576,
167.375

■ 85, 20.858,
168.493

■ 87, 11.859,
169.522

■ 88, 2.712, 170.589

■ 90, 6.471, 351.192

■ 92, 13.514,
346.840

Harmonies

Complementary

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



80, 58.667, 161.468



52, 66.435, 2.623

Rectangle

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



80, 58.667, 161.468



80, 58.667, 211.468



80, 58.667, 341.468



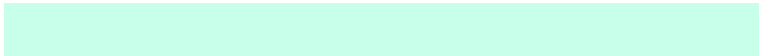
80, 58.667, 31.468

Sweetspot

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



80, 58.668, 161.467



96, 22.248, 168.578



81, 86.862, 130.044



51, 14.908, 168.285



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, 58.668, 161.467



89, 73.412, 158.311



76, 37.214, 213.165



46, 5.218, 169.872



63, 58.884, 156.162



17, 22.438, 160.537

Inverse Universe

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



52, 66.435, 2.623



56, 81.788, 8.669



54, 68.801, 36.819



44, 5.326, 351.488



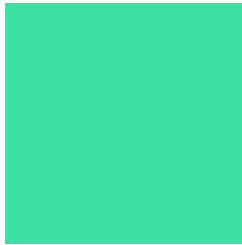
37, 64.442, 13.409



6, 25.595, 3.032

Previews

White Background



This preview shows how the CIELCh color 80, 58.667, 161.468 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, 58.667, 161.468 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

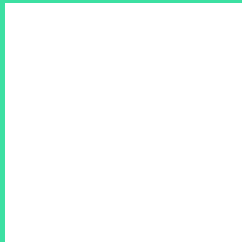
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 58.667, 161.468

Background



This preview shows how black text looks on a background with the CIELCh color 80, 58.667, 161.468.

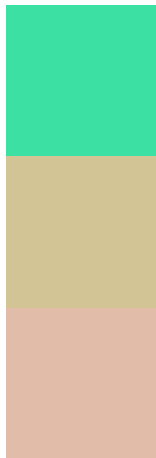


This preview shows how white text looks on a background with the CIELCh color 80, 58.667, 161.468.

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, 58.783, 161.534

Protanopia
79, 25.519, 95.097

Deuteranopia
79, 17.870, 56.493



Tritanopia
80, 34.614, 212.548

Trichromacy



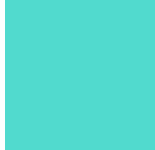
Original Color
80, 58.783, 161.534



Protanomaly
78, 33.514, 141.817



Deuteranomaly
78, 23.775, 144.013

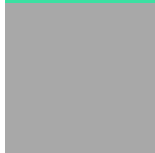


Tritanomaly
80, 39.848, 187.314

Monochromacy



Original Color
80, 58.783, 161.534



Achromatopsia
69, 0.009, 296.813



Achromatomaly
72, 24.395, 168.035

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 58.667, 161.468 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(60, 224, 162)` looks like.

```
.text, #text, p{  
    color:rgb(60, 224, 162)  
}
```

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(60, 224, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 224, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 58.667, 161.468 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(60, 224, 162) }
```

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

```
.border{ border-color:rgb(60, 224, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 224, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 224, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 224, 162);  
box-shadow:4px 4px 4px 4px rgb(60, 224,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 58.667, 161.468 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 224, 162) }
```

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

```
.background{ background-color: rgb(60, 224,  
162) }
```

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