

Converting Colors

CIELCh(82, 61.454, 158.614)

Have a look what the booklet for
CIELCh(82, 61.454, 158.614)
contains.

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Color

CIELCh(82, 61.460, 158.657)

Conversions

Conversions Part 1

Format	Color
Hex	45E6A0
RGB	69, 230, 160
RGB Percent	27%, 90%, 63%
CMY	0.7302, 0.0986, 0.3731
CMYK	0.70, 0.00, 0.30, 0.10
HSL	154°, 76%, 59%
HSV	154°, 70%, 90%
XYZ	37.0262, 60.2982, 42.8792
YIQ	173.8810, -73.4860, -55.9020

Conversions

Conversions Part 2

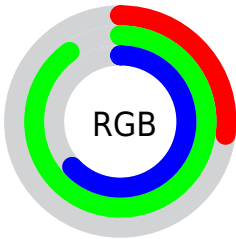
Format	Color
RYB	69, 172, 230
Decimal	4581024
CIELab	82.00, -57.24, 22.37
CIELCh	82, 61.460, 158.657
Yxy	60.2982, 0.2641, 0.4301
Android (android.graphics.Color)	4282771104 (0xFF45E6A0)
YUV	173.8810, -6.8433, -91.9806
Hunter-Lab	77.6519, -50.7779, 21.6166

Details

The CIELCh color **82, 61.460, 158.657** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **55, 66.852, 357.574**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 43.702, 168.431**, and **62, 57.835, 156.466** is the 20% darker color. If you saturate the color by 10%, you get **81, 67.599, 156.732**, and if you desaturate by 10%, it is **83, 54.411, 160.368**.

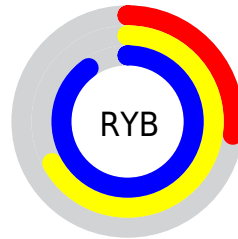
Distribution



Red (27%)

Green (90%)

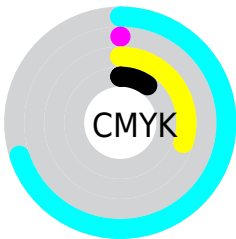
Blue (63%)



Red (27%)

Yellow (67%)

Blue (90%)

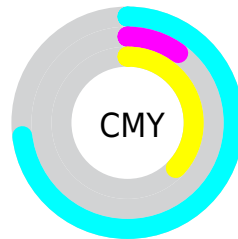


Cyan (70%)

Magenta (0%)

Yellow (30%)

Black (10%)



Cyan (73%)


Magenta (10%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 61.460, 158.657 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 82, 61.460, 158.657 by changing the saturation by 10% instead.


 82, 61.460,
158.657


 82, 61.460,
158.657


 100, 61.460,
158.657


 72, 61.460,
158.657

 62, 61.460,
158.657

 52, 61.460,
158.657

 42, 61.460,
158.657

 32, 61.460,
158.657

 22, 61.460,
158.657

 12, 61.460,

158.657

■ 2, 61.460, 158.657

■ 0, 61.460, 158.657

■ 82, 61.460,
158.657

■ 82, 61.460,
158.657

■ 81, 67.599,
156.732

■ 83, 54.411,
160.368

■ 81, 72.818,
154.594

■ 84, 46.537,
161.883

■ 81, 77.248,
152.330

■ 85, 37.976,
163.226

■ 86, 28.890,
164.424


■ 88, 19.443,

165.502

 89, 9.789, 166.493

 91, 0.058, 175.573

 93, 9.644, 348.087

 94, 13.598,
331.416

Harmonies

Complementary

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



82, 61.460, 158.657



55, 66.852, 357.574

Rectangle

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



82, 61.460, 158.657



82, 61.460, 208.657



82, 61.460, 338.657



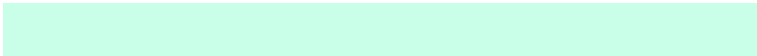
82, 61.460, 28.657

Sweetspot

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



82, 61.461, 158.657



96, 22.122, 165.393



83, 84.443, 127.992



51, 14.943, 165.101



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



82, 61.461, 158.657



89, 75.732, 155.814



81, 39.610, 203.074



47, 5.517, 166.552



64, 63.426, 152.745



18, 24.626, 156.950

Inverse Universe

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



55, 66.852, 357.574



57, 80.454, 2.189



55, 69.719, 32.826



45, 5.609, 348.123



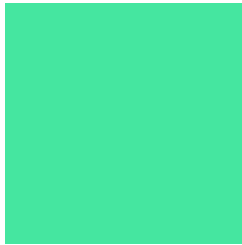
38, 64.625, 8.170



7, 27.092, 359.855

Previews

White Background



This preview shows how the CIE LCh color 82, 61.460, 158.657 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 82, 61.460, 158.657 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 82, 61.460, 158.657

Background



This preview shows how black text looks on a background with the CIELCh color 82, 61.460, 158.657.



This preview shows how white text looks on a background with the CIELCh color 82, 61.460, 158.657.

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

82, 61.460, 158.657

Protanopia

81, 29.544, 95.698

Deuteranopia

81, 21.189, 60.355

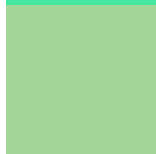


Tritanopia
82, 34.074, 213.742

Trichromacy



Original Color
82, 61.460, 158.657



Protanomaly
80, 36.712, 137.800



Deuteranomaly
80, 25.559, 137.397



Tritanomaly
82, 40.067, 185.902

Monochromacy



Original Color
82, 61.460, 158.657



Achromatopsia
71, 0.009, 296.813



Achromatomaly
74, 24.974, 164.684

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 61.460, 158.657 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(69, 230, 160)` looks like.

```
.text, #text, p{  
    color:rgb(69, 230, 160)  
}
```

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(69, 230, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 230, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 61.460, 158.657 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(69, 230, 160) }
```

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

```
.border{ border-color:rgb(69, 230, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 230, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 230, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 230, 160);  
box-shadow:4px 4px 4px 4px rgb(69, 230,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 61.460, 158.657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 230, 160) }
```

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

```
.background{ background-color: rgb(69, 230,  
160) }
```

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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