

Converting Colors

CIELCh(81, 60.299, 158.957)

Have a look what the booklet for
CIELCh(81, 60.299, 158.957)
contains.

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Color

CIELCh(81, 60.302, 158.993)

Conversions

Conversions Part 1

Format	Color
Hex	45E39F
RGB	69, 227, 159
RGB Percent	27%, 89%, 62%
CMY	0.7313, 0.1113, 0.3778
CMYK	0.70, 0.00, 0.30, 0.11
HSL	154°, 74%, 58%
HSV	154°, 70%, 89%
XYZ	36.0137, 58.4711, 42.0311
YIQ	172.0060, -72.3400, -54.6440

Conversions

Conversions Part 2

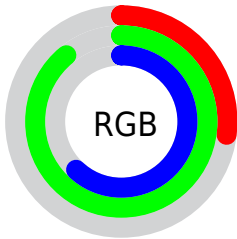
Format	Color
RYB	69, 170, 227
Decimal	4580255
CIELab	81.00, -56.29, 21.62
CIElCh	81, 60.302, 158.993
Yxy	58.4711, 0.2638, 0.4283
Android (android.graphics.Color)	4282770335 (0xFF45E39F)
YUV	172.0060, -6.4120, -90.3363
Hunter-Lab	76.4664, -49.7473, 20.9367




Details

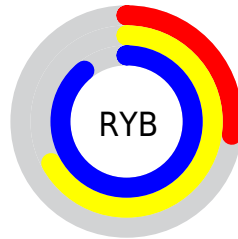
The CIELCh color **81, 60.302, 158.993** is a light color, and the websafe version is hex **00CC99**. The color can be described as light muted spring green. A complement of this color would be **54, 65.818, 357.832**, and the grayscale version is **70, 0.009, 296.813**.




A 20% lighter version of the original color is **92, 44.228, 168.008**, and **61, 56.711, 156.842** is the 20% darker color. If you saturate the color by 10%, you get **80, 66.360, 157.079**, and if you desaturate by 10%, it is **82, 53.348, 160.694**.

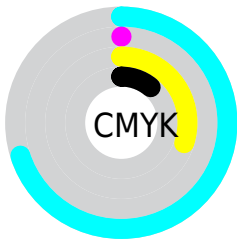
Distribution







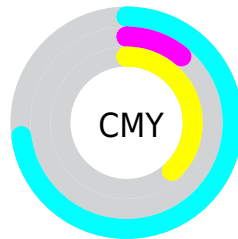
-  Red (27%)
-  Green (89%)
-  Blue (62%)






-  Red (27%)
-  Yellow (67%)
-  Blue (89%)



-  Cyan (70%)
-  Magenta (0%)
-  Yellow (30%)
-  Black (11%)





-  Cyan (73%)
-  Magenta (11%)
-  Yellow (38%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 60.302, 158.993 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 81, 60.302, 158.993 by changing the saturation by 10% instead.


 81, 60.302,
158.993


 81, 60.302,
158.993


 100, 60.302,
158.993


 71, 60.302,
158.993


 61, 60.302,
158.993

 51, 60.302,
158.993

 41, 60.302,
158.993

 31, 60.302,
158.993

 21, 60.302,
158.993

 11, 60.302,

158.993

■ 1, 60.302, 158.993

■ 0, 60.302, 158.993

■ 81, 60.302,
158.993

■ 81, 60.302,
158.993

■ 80, 66.360,
157.079

■ 82, 53.348,
160.694

■ 80, 71.508,
154.952

■ 83, 45.583,
162.201

■ 80, 75.896,
152.677

■ 84, 37.142,
163.539

■ 80, 75.995,
152.626

■ 85, 28.186,
164.732

■ 87, 18.875,

165.807

 88, 9.361, 166.798

 90, 0.228, 345.555

 92, 9.789, 348.391

 93, 14.328,
335.248

Harmonies

Complementary

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



81, 60.302, 158.993



54, 65.818, 357.832

Rectangle

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



81, 60.302, 158.993



81, 60.302, 208.993



81, 60.302, 338.993



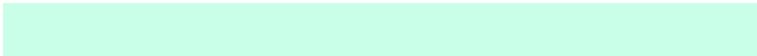
81, 60.302, 28.993

Sweetspot

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



81, 60.303, 158.993



96, 22.045, 165.666



82, 83.630, 128.529



51, 14.891, 165.374



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



81, 60.303, 158.993



89, 75.359, 156.088



80, 38.451, 205.369



46, 5.398, 166.830



63, 62.390, 153.047



17, 23.620, 157.502

Inverse Universe

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



54, 65.818, 357.832



57, 80.399, 2.589



54, 67.950, 33.545



44, 5.490, 348.401



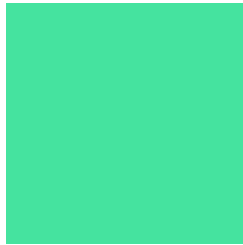
37, 63.955, 8.568



6, 25.860, 359.745

Previews

White Background



This preview shows how the CIE LCh color 81, 60.302, 158.993 looks on a white background.

Color Contrast Check

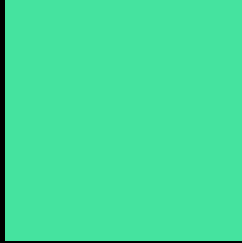
Large Text (above 18pt) WCAG AA × Fail

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 81, 60.302, 158.993 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 81, 60.302, 158.993

Background



This preview shows how black text looks on a background with the CIELCh color 81, 60.302, 158.993.

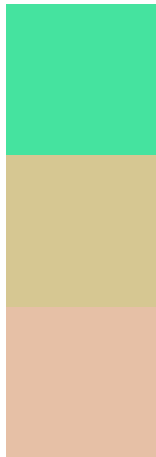


This preview shows how white text looks on a background with the CIELCh color 81, 60.302, 158.993.

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
81, 60.302, 158.993

Protanopia
80, 28.604, 95.347

Deuteranopia
80, 20.621, 61.770



Tritanopia
81, 33.827, 213.907

Trichromacy



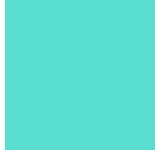
Original Color
81, 60.302, 158.993



Protanomaly
79, 35.708, 138.139



Deuteranomaly
79, 25.797, 138.075

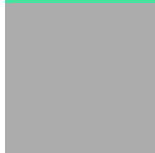


Tritanomaly
81, 39.647, 185.760

Monochromacy



Original Color
81, 60.302, 158.993



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 25.015, 164.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 60.302, 158.993 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, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(69, 227, 159)  
}
```

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, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 227, 159) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 60.302, 158.993 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, 227, 159) }
```

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

```
.border{ border-color:rgb(69, 227, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 227, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(69, 227,  
159) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 60.302, 158.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 227, 159) }
```

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

```
.background{ background-color: rgb(69, 227,  
159) }
```

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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