

Converting Colors

CIELCh(81, 63.988, 155.602)

Have a look what the booklet for
CIELCh(81, 63.988, 155.602)
contains.

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Color

CIELCh(81, 64.059, 155.527)

Conversions

Conversions Part 1

Format	Color
Hex	45E395
RGB	69, 227, 149
RGB Percent	27%, 89%, 58%
CMY	0.7286, 0.1092, 0.4151
CMYK	0.70, 0.00, 0.34, 0.11
HSL	150°, 74%, 58%
HSV	150°, 70%, 89%
XYZ	35.4169, 58.4711, 37.9131
YIQ	170.8660, -69.1300, -57.7540

Conversions

Conversions Part 2

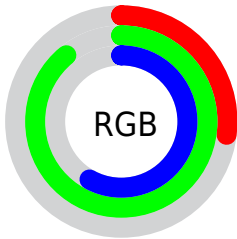
Format	Color
RYB	69, 174, 227
Decimal	4580245
CIELab	81.00, -58.30, 26.54
CIELCh	81, 64.059, 155.527
Yxy	58.4711, 0.2687, 0.4436
Android (android.graphics.Color)	4282770325 (0xFF45E395)
YUV	170.8660, -10.7799, -89.3365
Hunter-Lab	76.4664, -51.1404, 24.1297

Details

The CIELCh color **81, 64.059, 155.527** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **55, 67.278, 353.104**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 47.478, 162.821**, and **61, 60.312, 153.489** is the 20% darker color. If you saturate the color by 10%, you get **80, 70.744, 153.612**, and if you desaturate by 10%, it is **82, 56.465, 157.227**.

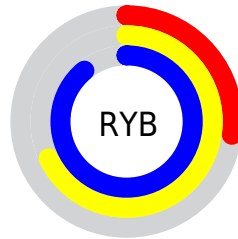
Distribution



Red (27%)

Green (89%)

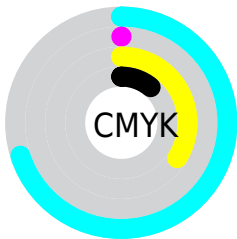
Blue (58%)



Red (27%)

Yellow (68%)

Blue (89%)

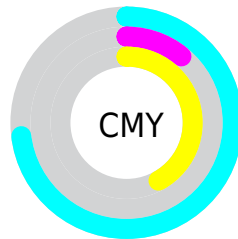


Cyan (70%)

Magenta (0%)

Yellow (34%)

Black (11%)



Cyan (73%)


Magenta (11%)


Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 64.059, 155.527 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, 64.059, 155.527 by changing the saturation by 10% instead.


 81, 64.059,
155.527


 81, 64.059,
155.527


 100, 64.059,
155.527


 71, 64.059,
155.527

 61, 64.059,
155.527

 51, 64.059,
155.527

 41, 64.059,
155.527

 31, 64.059,
155.527

 21, 64.059,
155.527

 11, 64.059,

155.527

■ 1, 64.059, 155.527

■ 0, 64.059, 155.527

■ 81, 64.059,
155.527

■ 81, 64.059,
155.527

■ 80, 70.744,
153.612

■ 82, 56.465,
157.227

■ 80, 76.489,
151.486

■ 83, 48.064,
158.728

■ 80, 81.417,
149.221

■ 84, 39.005,
160.051

■ 80, 81.639,
149.119


■ 85, 29.460,
161.222


■ 87, 19.600,

162.268

 88, 9.578, 163.222

 90, 0.475, 343.071

 92, 10.456,
344.738

 93, 15.419,
330.326

Harmonies

Complementary

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



81, 64.059, 155.527



55, 67.278, 353.104

Rectangle

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



81, 64.059, 155.527



81, 64.059, 205.527



81, 64.059, 335.527



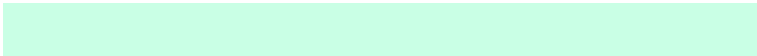
81, 64.059, 25.527

Sweetspot

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



81, 64.060, 155.527



96, 23.128, 162.108



83, 81.960, 126.306



51, 15.633, 161.824



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, 64.060, 155.527



89, 79.831, 152.786



83, 41.348, 196.673



47, 5.754, 163.229



64, 67.623, 149.514



18, 26.116, 153.739

Inverse Universe

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



55, 67.278, 353.104



57, 81.171, 356.916



53, 70.372, 30.422



45, 5.829, 344.732



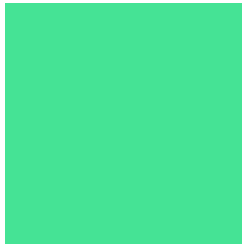
38, 64.799, 2.460



7, 27.553, 355.395

Previews

White Background



This preview shows how the CIELCh color 81, 64.059, 155.527 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, 64.059, 155.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

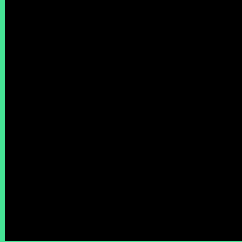
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 81, 64.059, 155.527

Background



This preview shows how black text looks on a background with the CIELCh color 81, 64.059, 155.527.

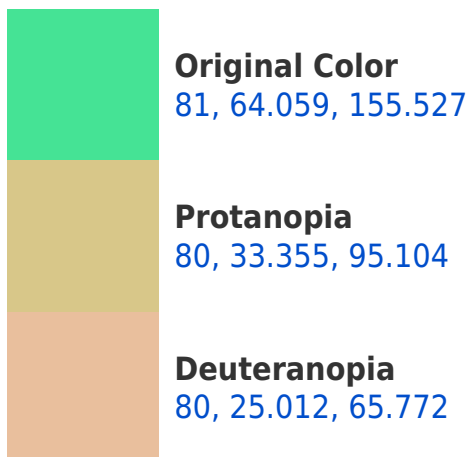


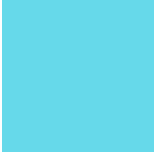
This preview shows how white text looks on a background with the CIELCh color 81, 64.059, 155.527.

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
81, 33.246, 213.259

Trichromacy



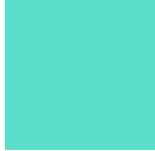
Original Color
81, 64.059, 155.527



Protanomaly
79, 39.923, 133.440



Deuteranomaly
79, 29.056, 132.051

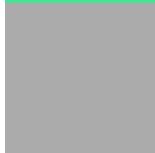


Tritanomaly
81, 40.161, 182.741

Monochromacy



Original Color
81, 64.059, 155.527



Achromatopsia
70, 0.009, 296.813



Achromatomaly
73, 25.802, 161.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 64.059, 155.527 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, 149)` looks like.

```
.text, #text, p{  
    color:rgb(69, 227, 149)  
}
```

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, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 227, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 64.059, 155.527 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, 149) }
```

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

```
.border{ border-color:rgb(69, 227, 149) }
```

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, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 227, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 227, 149);  
box-shadow:4px 4px 4px 4px rgb(69, 227,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 64.059, 155.527 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, 149) }
```

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

```
.background{ background-color: rgb(69, 227,  
149) }
```

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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