

Converting Colors

CIELCh(81, 63.578, 149.786)

Have a look what the booklet for
CIELCh(81, 63.578, 149.786)
contains.

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Color

CIELCh(81, 63.578, 149.786)

Conversions

Conversions Part 1

Format	Color
Hex	5FE28B
RGB	95, 226, 139
RGB Percent	37%, 89%, 55%
CMY	0.6289, 0.1151, 0.4561
CMYK	0.58, 0.00, 0.39, 0.12
HSL	140°, 69%, 63%
HSV	140°, 58%, 88%
XYZ	36.4193, 58.4711, 33.6707
YIQ	176.9130, -50.1490, -54.8290

Conversions

Conversions Part 2

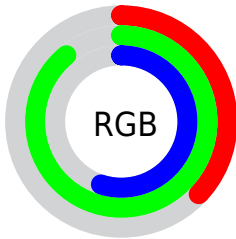
Format	Color
RYB	95, 193, 226
Decimal	6283915
CIELab	81.00, -54.94, 31.99
CIELCh	81, 63.578, 149.786
Yxy	58.4711, 0.2833, 0.4548
Android (android.graphics.Color)	4284473995 (0xFF5FE28B)
YUV	176.9130, -18.6911, -71.8377
Hunter-Lab	76.4664, -48.8006, 27.4191

Details

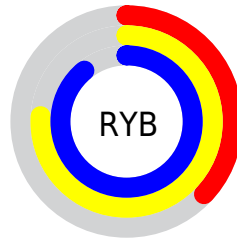
The CIELCh color **81, 63.578, 149.786** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **60, 63.998, 340.832**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 47.089, 154.075**, and **61, 63.744, 149.770** is the 20% darker color. If you saturate the color by 10%, you get **80, 72.742, 148.188**, and if you desaturate by 10%, it is **82, 53.567, 151.190**.

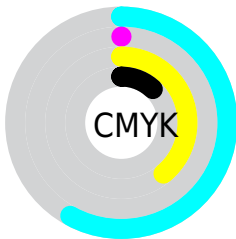
Distribution



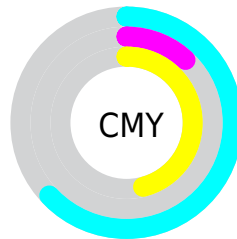
- Red (37%)
- Green (89%)
- Blue (55%)



- Red (37%)
- Yellow (76%)
- Blue (89%)



- Cyan (58%)
- Magenta (0%)
- Yellow (39%)
- Black (12%)



- Cyan (63%)
- Magenta (12%)
- Yellow (46%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 63.578, 149.786 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, 63.578, 149.786 by changing the saturation by 10% instead.


 81, 63.578,
149.786

 81, 63.578,
149.786


 100, 63.578,
149.786


 71, 63.578,
149.786


 61, 63.578,
149.786

 51, 63.578,
149.786

 41, 63.578,
149.786

 31, 63.578,
149.786

 21, 63.578,
149.786

 11, 63.578,

149.786

■ 1, 63.578, 149.786

■ 0, 63.578, 149.786

■ 81, 63.578,
149.786

■ 81, 63.578,
149.786

■ 80, 72.742,
148.188

■ 82, 53.567,
151.190

■ 80, 80.881,
146.397

■ 83, 42.912,
152.415

■ 79, 87.881,
144.439

■ 85, 31.827,
153.482

■ 79, 93.727,
142.394

■ 86, 20.509,
154.415

■ 79, 94.765,

■ 88, 9.126, 155.248

142.021

■ 90, 2.186, 335.744

■ 92, 13.324,
336.522

■ 93, 18.351,
325.061

Harmonies

Complementary

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



81, 63.578, 149.786



60, 63.998, 340.832

Rectangle

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



81, 63.578, 149.786



81, 63.578, 199.786



81, 63.578, 329.786



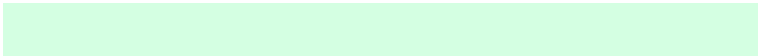
81, 63.578, 19.786

Sweetspot

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



81, 63.579, 149.786



96, 21.309, 154.497



84, 67.212, 120.061



51, 14.256, 154.320



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, 63.579, 149.786



89, 82.043, 147.773



82, 41.151, 180.174



46, 6.401, 155.137



63, 78.033, 142.388



16, 29.181, 146.688

Inverse Universe

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



60, 63.998, 340.832



62, 80.810, 342.409



58, 54.675, 14.818



44, 6.440, 336.423



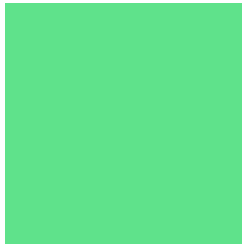
39, 68.407, 347.549



7, 28.728, 343.537

Previews

White Background



This preview shows how the CIE LCh color 81, 63.578, 149.786 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, 63.578, 149.786 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, 63.578, 149.786

Background



This preview shows how black text looks on a background with the CIELCh color 81, 63.578, 149.786.

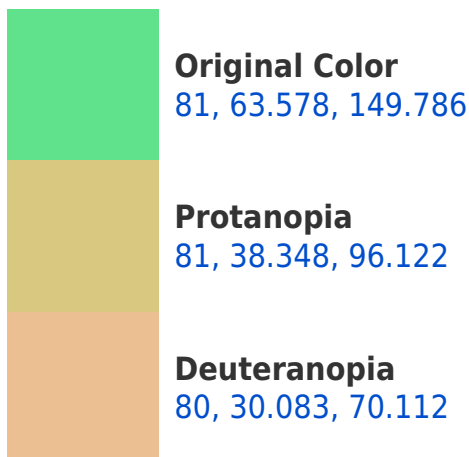


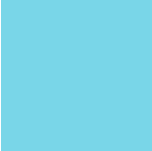
This preview shows how white text looks on a background with the CIELCh color 81, 63.578, 149.786.

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, 28.838, 217.212

Trichromacy



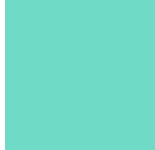
Original Color
81, 63.578, 149.786



Protanomaly
80, 42.576, 126.170



Deuteranomaly
79, 32.396, 120.766

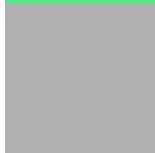


Tritanomaly
81, 35.724, 179.465

Monochromacy



Original Color
81, 63.578, 149.786



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 24.870, 153.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 63.578, 149.786 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(95, 226, 139)` looks like.

```
.text, #text, p{  
    color:rgb(95, 226, 139)  
}
```

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(95, 226, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 226, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 63.578, 149.786 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(95, 226, 139) }
```

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

```
.border{ border-color:rgb(95, 226, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 226, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 226, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 226, 139);  
box-shadow:4px 4px 4px 4px rgb(95, 226,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 63.578, 149.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 226, 139) }
```

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

```
.background{ background-color: rgb(95, 226,  
139) }
```

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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