

Converting Colors

CIELCh(81, 66.512, 145.931)

Have a look what the booklet for
CIELCh(81, 66.512, 145.931)
contains.

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Color

CIELCh(81, 66.936, 145.851)

Conversions

Conversions Part 1

Format	Color
Hex	65E280
RGB	101, 226, 128
RGB Percent	40%, 89%, 50%
CMY	0.6055, 0.1153, 0.4994
CMYK	0.55, 0.00, 0.43, 0.12
HSL	133°, 68%, 64%
HSV	133°, 55%, 88%
XYZ	36.2829, 58.4711, 29.6728
YIQ	177.4530, -43.0420, -56.9780

Conversions

Conversions Part 2

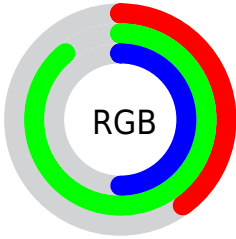
Format	Color
RYB	101, 204, 226
Decimal	6677120
CIELab	81.00, -55.39, 37.57
CIElCh	81, 66.936, 145.851
Yxy	58.4711, 0.2916, 0.4699
Android (android.graphics.Color)	4284867200 (0xFF65E280)
YUV	177.4530, -24.3803, -67.0493
Hunter-Lab	76.4664, -49.1190, 30.5190

Details

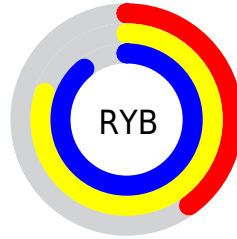
The CIELCh color **81, 66.936, 145.851** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 66.531, 334.961**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.286, 148.555**, and **61, 67.145, 145.856** is the 20% darker color. If you saturate the color by 10%, you get **80, 77.237, 144.400**, and if you desaturate by 10%, it is **82, 55.713, 147.135**.

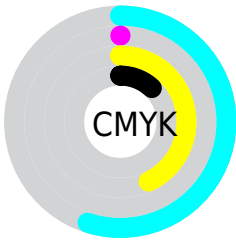
Distribution



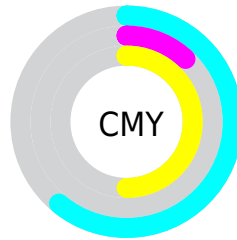
- Red (40%)
- Green (89%)
- Blue (50%)



- Red (40%)
- Yellow (80%)
- Blue (89%)



- Cyan (55%)
- Magenta (0%)
- Yellow (43%)
- Black (12%)





- Cyan (61%)
- Magenta (12%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 66.936, 145.851 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, 66.936, 145.851 by changing the saturation by 10% instead.


 81, 66.936,
145.851


 81, 66.936,
145.851


 100, 66.936,
145.851


 71, 66.936,
145.851


 61, 66.936,
145.851

 51, 66.936,
145.851

 41, 66.936,
145.851

 31, 66.936,
145.851

 21, 66.936,
145.851

 11, 66.936,

145.851

■ 1, 66.936, 145.851

■ 0, 66.936, 145.851

■ 81, 66.936,
145.851

■ 81, 66.936,
145.851

■ 80, 77.237,
144.400

■ 82, 55.713,
147.135

■ 79, 86.347,
142.799

■ 83, 43.838,
148.254

■ 79, 94.028,
141.101

■ 85, 31.566,
149.223

■ 79, 100.095,
139.401

■ 87, 19.118,
150.062

■ 79, 102.367,

■ 89, 6.676, 150.813

138.699

■ 91, 5.621, 331.322

■ 93, 16.894,
328.635

■ 93, 18.379,
325.062

Harmonies

Complementary

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



81, 66.936, 145.851



61, 66.531, 334.961

Rectangle

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



81, 66.936, 145.851



81, 66.936, 195.851



81, 66.936, 325.851



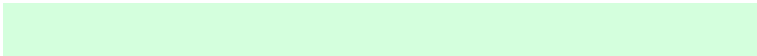
81, 66.936, 15.851

Sweetspot

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



81, 66.937, 145.851



96, 23.297, 149.927



86, 62.935, 114.373



51, 15.590, 149.763



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, 66.937, 145.851



89, 85.823, 144.241



82, 44.410, 169.765



46, 6.990, 150.515



63, 84.432, 138.987



16, 31.530, 143.453

Inverse Universe

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



61, 66.531, 334.961



64, 83.916, 335.862



59, 52.372, 3.930



44, 7.014, 331.677



40, 74.059, 339.126



7, 31.033, 336.990

Previews

White Background



This preview shows how the CIE LCh color 81, 66.936, 145.851 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, 66.936, 145.851 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, 66.936, 145.851

Background



This preview shows how black text looks on a background with the CIELCh color 81, 66.936, 145.851.

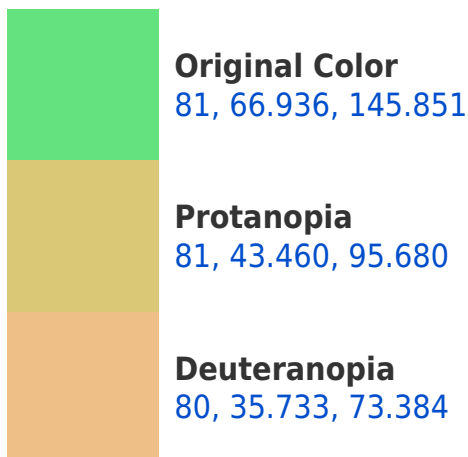


This preview shows how white text looks on a background with the CIELCh color 81, 66.936, 145.851.

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, 27.424, 217.137

Trichromacy



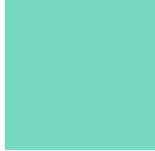
Original Color
81, 66.936, 145.851



Protanomaly
80, 46.923, 122.599



Deuteranomaly
79, 37.561, 116.100



Tritanomaly
81, 35.640, 174.904

Monochromacy



Original Color
81, 66.936, 145.851



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 26.007, 149.437

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 66.936, 145.851 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(101, 226, 128)` looks like.

```
.text, #text, p{  
    color:rgb(101, 226, 128)  
}
```

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(101, 226, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 226, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 66.936, 145.851 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(101, 226, 128) }
```

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

```
.border{ border-color:rgb(101, 226, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 226, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(101, 226, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(101, 226, 128); box-shadow:4px 4px 4px 4px rgb(101, 226, 128) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 66.936, 145.851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 226, 128) }
```

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

```
.background{ background-color: rgb(101,  
226, 128) }
```

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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