

Converting Colors

CIELCh(81, 66.450, 145.638)

Have a look what the booklet for
CIELCh(81, 66.450, 145.638)
contains.

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Color

CIELCh(81, 66.228, 145.788)

Conversions

Conversions Part 1

Format	Color
Hex	66E180
RGB	102, 225, 128
RGB Percent	40%, 88%, 50%
CMY	0.5984, 0.1161, 0.4967
CMYK	0.55, 0.00, 0.43, 0.12
HSL	133°, 67%, 64%
HSV	133°, 55%, 88%
XYZ	36.4713, 58.4711, 29.9049
YIQ	177.1650, -42.1710, -56.2430

Conversions

Conversions Part 2

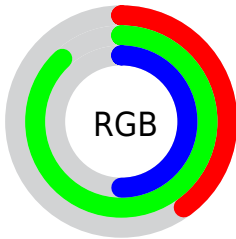
Format	Color
RYB	102, 204, 225
Decimal	6742400
CIELab	81.00, -54.77, 37.24
CIElCh	81, 66.228, 145.788
Yxy	58.4711, 0.2921, 0.4683
Android (android.graphics.Color)	4284932480 (0xFF66E180)
YUV	177.1650, -24.2383, -65.9197
Hunter-Lab	76.4664, -48.6791, 30.3390

Details

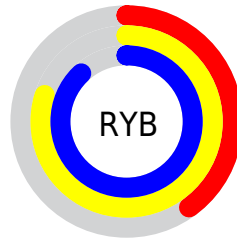
The CIELCh color **81, 66.228, 145.788** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 65.858, 334.667**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 50.076, 148.314**, and **61, 66.387, 145.762** is the 20% darker color. If you saturate the color by 10%, you get **80, 76.647, 144.356**, and if you desaturate by 10%, it is **82, 54.904, 147.054**.

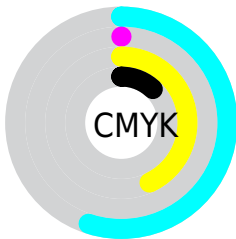
Distribution



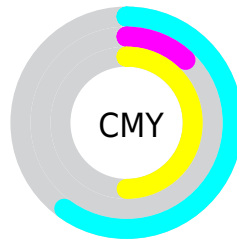
- Red (40%)
- Green (88%)
- Blue (50%)



- Red (40%)
- Yellow (80%)
- Blue (88%)



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





- Cyan (60%)
- Magenta (12%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 66.228, 145.788 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, 66.228, 145.788 by changing the saturation by 10% instead.


 81, 66.228,
145.788


 81, 66.228,
145.788


 100, 66.228,
145.788


 71, 66.228,
145.788


 61, 66.228,
145.788

 51, 66.228,
145.788

 41, 66.228,
145.788

 31, 66.228,
145.788

 21, 66.228,
145.788

 11, 66.228,

145.788

■ 1, 66.228, 145.788

■ 0, 66.228, 145.788

■ 81, 66.228,
145.788

■ 81, 66.228,
145.788

■ 80, 76.647,
144.356

■ 82, 54.904,
147.054

■ 79, 85.885,
142.775

■ 83, 42.946,
148.157

■ 79, 93.695,
141.095

■ 85, 30.610,
149.111

■ 79, 99.879,
139.410

■ 87, 18.116,
149.938

■ 79, 102.574,

■ 89, 5.643, 150.686

138.581

■ 91, 6.675, 331.185

■ 93, 17.619,
327.127

■ 93, 18.523,
325.068

Harmonies

Complementary

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



81, 66.228, 145.788



61, 65.858, 334.667

Rectangle

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



81, 66.228, 145.788



81, 66.228, 195.788



81, 66.228, 325.788



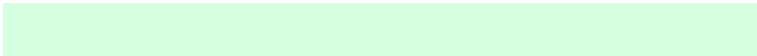
81, 66.228, 15.788

Sweetspot

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



81, 66.229, 145.788



96, 22.007, 149.818



86, 62.030, 114.415



51, 14.867, 149.652



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, 66.229, 145.788



89, 85.089, 144.222



82, 43.821, 169.887



46, 7.018, 150.323



63, 84.679, 138.864



16, 31.622, 143.339

Inverse Universe

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



61, 65.858, 334.667



65, 83.328, 335.533



59, 51.562, 3.730



44, 7.042, 331.480



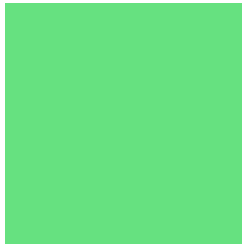
40, 74.354, 338.787



7, 31.147, 336.724

Previews

White Background



This preview shows how the CIELCh color 81, 66.228, 145.788 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, 66.228, 145.788 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, 66.228, 145.788

Background



This preview shows how black text looks on a background with the CIELCh color 81, 66.228, 145.788.

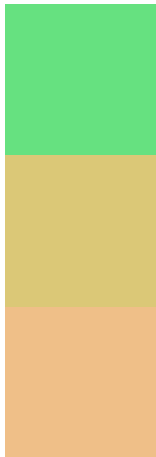


This preview shows how white text looks on a background with the CIELCh color 81, 66.228, 145.788.

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, 66.228, 145.788

Protanopia
81, 42.971, 95.615

Deuteranopia
80, 35.733, 73.384



Tritanopia
81, 27.196, 217.319

Trichromacy



Original Color
81, 66.228, 145.788



Protanomaly
80, 46.805, 122.147



Deuteranomaly
79, 37.561, 116.100

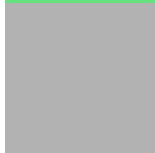


Tritanomaly
81, 34.900, 175.411

Monochromacy



Original Color
81, 66.228, 145.788



Achromatopsia
73, 0.009, 296.813



Achromatomaly
75, 25.112, 149.082

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 66.228, 145.788 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(102, 225, 128)` looks like.

```
.text, #text, p{  
    color:rgb(102, 225, 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(102, 225, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 225, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 66.228, 145.788 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(102, 225, 128) }
```

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

```
.border{ border-color:rgb(102, 225, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 225, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 225, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 225, 128);  
box-shadow:4px 4px 4px 4px rgb(102, 225,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 66.228, 145.788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 225, 128) }
```

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

```
.background{ background-color: rgb(102,  
225, 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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