

Converting Colors

CIELCh(81, 65.764, 135.716)

Have a look what the booklet for
CIELCh(81, 65.764, 135.716)
contains.

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Color

CIELCh(81, 65.800, 135.702)

Conversions

Conversions Part 1

Format	Color
Hex	86DE6F
RGB	134, 222, 111
RGB Percent	53%, 87%, 44%
CMY	0.4744, 0.1293, 0.5646
CMYK	0.40, 0.00, 0.50, 0.13
HSL	108°, 63%, 65%
HSV	108°, 50%, 87%
XYZ	38.8314, 58.4711, 24.2838
YIQ	183.0340, -16.8170, -53.1770

Conversions

Conversions Part 2

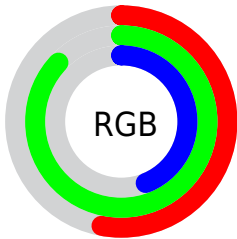
Format	Color
RYB	111, 222, 199
Decimal	8838767
CIELab	81.00, -47.09, 45.95
CIElCh	81, 65.800, 135.702
Yxy	58.4711, 0.3194, 0.4809
Android (android.graphics.Color)	4287028847 (0xFF86DE6F)
YUV	183.0340, -35.5128, -43.0028
Hunter-Lab	76.4664, -43.1699, 34.6975

Details

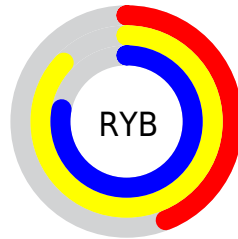
The CIELCh color **81, 65.800, 135.702** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **61, 67.161, 320.707**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 51.361, 134.320**, and **61, 65.761, 135.533** is the 20% darker color. If you saturate the color by 10%, you get **80, 77.530, 135.056**, and if you desaturate by 10%, it is **82, 53.199, 136.375**.

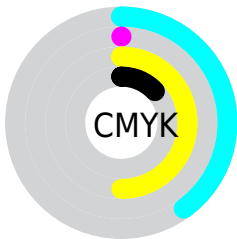
Distribution



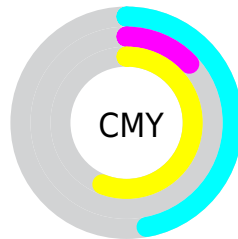
- Red (53%)
- Green (87%)
- Blue (44%)



- Red (44%)
- Yellow (87%)
- Blue (78%)



- Cyan (40%)
- Magenta (0%)
- Yellow (50%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 81, 65.800, 135.702 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, 65.800, 135.702 by changing the saturation by 10% instead.

■ 81, 65.800,
135.702

■ 81, 65.800,
135.702

■ 100, 65.800,
135.702

■ 71, 65.800,
135.702

■ 61, 65.800,
135.702

■ 51, 65.800,
135.702

■ 41, 65.800,
135.702

■ 31, 65.800,
135.702

■ 21, 65.800,
135.702

■ 11, 65.800,

135.702

■ 1, 65.800, 135.702

■ 0, 65.800, 135.702

■ 81, 65.800,
135.702

■ 81, 65.800,
135.702

■ 80, 77.530,
135.056

■ 82, 53.199,
136.375

■ 79, 87.913,
134.523

■ 83, 40.083,
137.021

■ 79, 96.380,
134.225

■ 85, 26.722,
137.616

■ 78, 102.394,
134.290

■ 87, 13.308,
138.152

■ 78, 105.956,

■ 88, 0.016, 304.494

134.680

90, 13.150,
318.980

78, 105.957,
134.680

92, 20.636,
325.142

Harmonies

Complementary

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



81, 65.800, 135.702



61, 67.161, 320.707

Rectangle

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



81, 65.800, 135.702



81, 65.800, 185.702



81, 65.800, 315.702



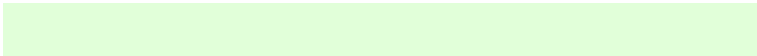
81, 65.800, 5.702

Sweetspot

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



81, 65.801, 135.703



97, 22.398, 137.884



80, 46.410, 93.301



51, 15.292, 137.769



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, 65.801, 135.703



91, 86.659, 135.028



81, 57.176, 148.917



46, 7.623, 138.179



63, 88.888, 134.531



17, 33.483, 135.722

Inverse Universe

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



61, 67.161, 320.707



64, 88.489, 320.995



62, 57.490, 337.433



44, 7.667, 318.994



35, 89.242, 320.479



6, 35.372, 321.132

Previews

White Background



This preview shows how the CIELCh color 81, 65.800, 135.702 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, 65.800, 135.702 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, 65.800, 135.702

Background



This preview shows how black text looks on a background with the CIELCh color 81, 65.800, 135.702.

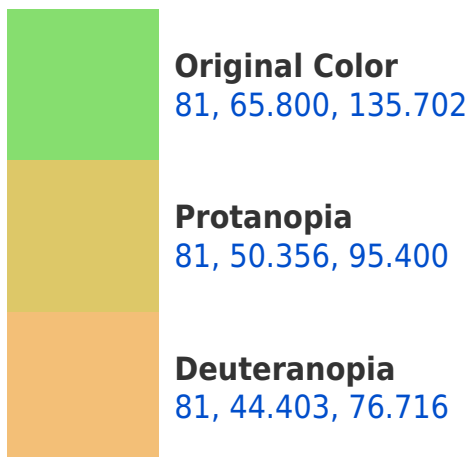


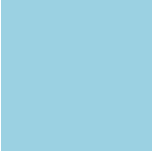
This preview shows how white text looks on a background with the CIELCh color 81, 65.800, 135.702.

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, 19.369, 226.338

Trichromacy



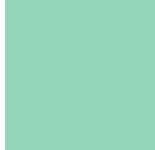
Original Color
81, 65.800, 135.702



Protanomaly
80, 52.219, 114.227



Deuteranomaly
80, 44.554, 105.579

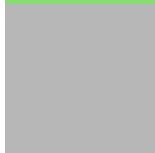


Tritanomaly
81, 28.647, 163.548

Monochromacy



Original Color
81, 65.800, 135.702



Achromatopsia
74, 0.009, 296.813



Achromatomaly
76, 24.678, 137.815

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 65.800, 135.702 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(134, 222, 111)` looks like.

```
.text, #text, p{  
    color:rgb(134, 222, 111)  
}
```

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(134, 222, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 222, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 65.800, 135.702 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(134, 222, 111) }
```

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

```
.border{ border-color:rgb(134, 222, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 222, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 222, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 222, 111);  
box-shadow:4px 4px 4px 4px rgb(134, 222,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 65.800, 135.702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 222, 111) }
```

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

```
.background{ background-color: rgb(134,  
222, 111) }
```

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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