

Converting Colors

CIELCh(81, 80.537, 136.232)

Have a look what the booklet for
CIELCh(81, 80.537, 136.232)
contains.

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Color

CIELCh(81, 80.537, 136.232)

Conversions

Conversions Part 1

Format	Color
Hex	6EE259
RGB	110, 226, 89
RGB Percent	43%, 89%, 35%
CMY	0.5684, 0.1134, 0.6507
CMYK	0.51, 0.00, 0.61, 0.11
HSL	111°, 70%, 62%
HSV	111°, 61%, 89%
XYZ	35.4595, 58.4711, 18.8822
YIQ	175.6980, -25.1590, -67.1990

Conversions

Conversions Part 2

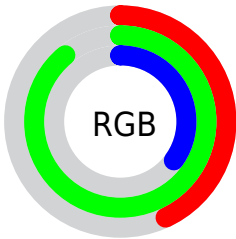
Format	Color
RYB	89, 226, 205
Decimal	7266905
CIELab	81.00, -58.16, 55.71
CIELCh	81, 80.537, 136.232
Yxy	58.4711, 0.3143, 0.5183
Android (android.graphics.Color)	4285456985 (0xFF6EE259)
YUV	175.6980, -42.7421, -57.6171
Hunter-Lab	76.4664, -51.0409, 38.8857

Details

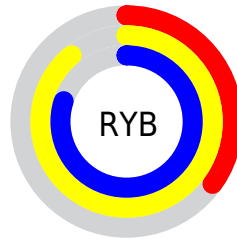
The CIELCh color **81, 80.537, 136.232** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **58, 81.395, 322.682**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 64.631, 135.418**, and **61, 80.777, 136.136** is the 20% darker color. If you saturate the color by 10%, you get **80, 90.987, 135.576**, and if you desaturate by 10%, it is **82, 68.605, 136.985**.

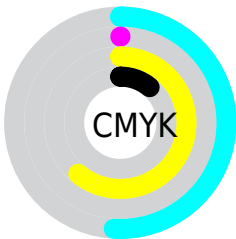
Distribution



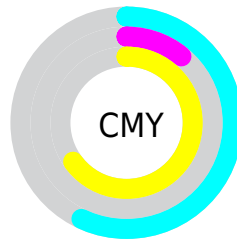
- Red (43%)
- Green (89%)
- Blue (35%)



- Red (35%)
- Yellow (89%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (61%)
- Black (11%)





- Cyan (57%)
- Magenta (11%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 81, 80.537, 136.232 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, 80.537, 136.232 by changing the saturation by 10% instead.


 81, 80.537,
136.232


 81, 80.537,
136.232


 100, 80.537,
136.232


 71, 80.537,
136.232


 61, 80.537,
136.232

 51, 80.537,
136.232

 41, 80.537,
136.232

 31, 80.537,
136.232

 21, 80.537,
136.232

 11, 80.537,

136.232

■ 1, 80.537, 136.232

■ 0, 80.537, 136.232

■ 81, 80.537,
136.232

■ 81, 80.537,
136.232

■ 80, 90.987,
135.576

■ 82, 68.605,
136.985

■ 80, 99.361,
135.139

■ 83, 55.695,
137.745

■ 79, 105.124,
135.049

■ 85, 42.200,
138.460


■ 79, 108.209,
135.240


■ 86, 28.419,
139.108

■ 88, 14.569,

139.685

 90, 0.813, 140.459

 92, 12.737,
320.566

 93, 18.089,
325.052

Harmonies

Complementary

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



81, 80.537, 136.232



58, 81.395, 322.682

Rectangle

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



81, 80.537, 136.232



81, 80.537, 186.232



81, 80.537, 316.232



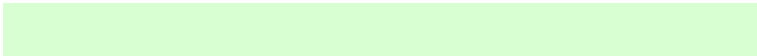
81, 80.537, 6.232

Sweetspot

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



81, 80.538, 136.233



96, 27.360, 139.258



82, 58.679, 95.300



51, 19.025, 139.081



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, 80.538, 136.233



89, 102.565, 135.421



81, 66.245, 149.285



46, 7.751, 139.748



63, 89.574, 135.115



16, 33.911, 136.704

Inverse Universe

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



58, 81.395, 322.682



60, 103.055, 322.862



59, 66.433, 340.979



44, 7.786, 320.605



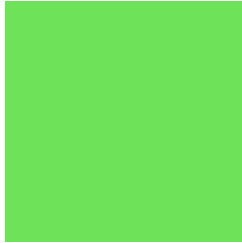
37, 88.590, 322.396



6, 35.610, 323.022

Previews

White Background



This preview shows how the CIELCh color 81, 80.537, 136.232 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, 80.537, 136.232 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, 80.537, 136.232

Background



This preview shows how black text looks on a background with the CIELCh color 81, 80.537, 136.232.

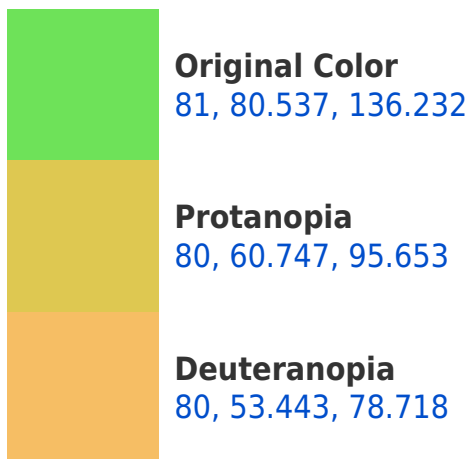


This preview shows how white text looks on a background with the CIELCh color 81, 80.537, 136.232.

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, 24.368, 219.897

Trichromacy



Original Color
81, 80.537, 136.232



Protanomaly
80, 63.467, 115.273



Deuteranomaly
79, 54.549, 107.889

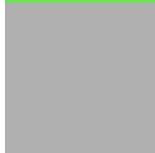


Tritanomaly
80, 37.161, 162.918

Monochromacy



Original Color
81, 80.537, 136.232



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 31.342, 138.615

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 81, 80.537, 136.232 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(110, 226, 89)` looks like.

```
.text, #text, p{  
    color:rgb(110, 226, 89)  
}
```

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(110, 226, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 226, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 81, 80.537, 136.232 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(110, 226, 89) }
```

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

```
.border{ border-color:rgb(110, 226, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 226, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 226, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 226, 89);  
box-shadow:4px 4px 4px 4px rgb(110, 226,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 81, 80.537, 136.232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 226, 89) }
```

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

```
.background{ background-color: rgb(110,  
226, 89) }
```

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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