

Converting Colors

CIELCh(83, 87.245, 136.669)

Have a look what the booklet for
CIELCh(83, 87.245, 136.669)
contains.

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Color

CIELCh(83, 87.500, 136.645)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 66EA54 |
| RGB | 102, 234, 84 |
| RGB Percent | 40%, 92%, 33% |
| CMY | 0.6010, 0.0832, 0.6714 |
| CMYK | 0.56, 0.00, 0.64, 0.08 |
| HSL | 113°, 78%, 62% |
| HSV | 113°, 64%, 92% |
| XYZ | 36.4010, 62.1629, 18.4232 |
| YIQ | 177.4320, -30.5220, -74.6340 |

Conversions

Conversions Part 2

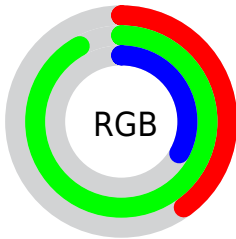
| Format | Color |
|-------------------------------------|--|
| RYB | 84, 234, 216 |
| Decimal | 6744660 |
| CIELab | 83.00, -63.62, 60.07 |
| CIELCh | 83, 87.500, 136.645 |
| Yxy | 62.1629, 0.3112, 0.5314 |
| Android (android.graphics.Color) | 4284934740 (0xFF66EA54) |
| YUV | 177.4320, -46.0620, -66.1539 |
| Hunter-Lab | 78.8435, -55.5650, 41.3363 |

Details

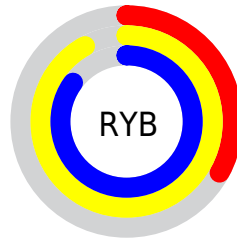
The CIELCh color **83, 87.500, 136.645** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **59, 87.778, 323.815**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 67.168, 135.763**, and **63, 87.545, 136.607** is the 20% darker color. If you saturate the color by 10%, you get **82, 97.496, 135.955**, and if you desaturate by 10%, it is **84, 75.700, 137.458**.

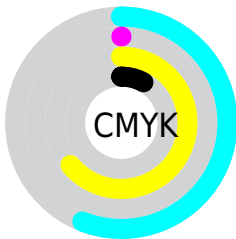
Distribution



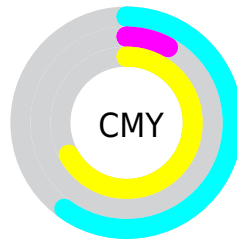
- Red (40%)
- Green (92%)
- Blue (33%)



- Red (33%)
- Yellow (92%)
- Blue (85%)



- Cyan (56%)
- Magenta (0%)
- Yellow (64%)
- Black (8%)




- Cyan (60%)
- Magenta (8%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 87.500, 136.645 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 83, 87.500, 136.645 by changing the saturation by 10% instead.


 83, 87.500,
136.645

 83, 87.500,
136.645


 100, 87.500,
136.645

 73, 87.500,
136.645

 63, 87.500,
136.645

 53, 87.500,
136.645

 43, 87.500,
136.645

 33, 87.500,
136.645

 23, 87.500,
136.645

 13, 87.500,

136.645

■ 3, 87.500, 136.645

■ 0, 87.500, 136.645

■ 83, 87.500,
136.645

■ 83, 87.500,
136.645

■ 82, 97.496,
135.955

■ 84, 75.700,
137.458

■ 82, 105.069,
135.520

■ 85, 62.665,
138.290

■ 81, 109.769,
135.451

■ 86, 48.855,
139.077

■ 81, 111.384,
135.511

■ 88, 34.626,
139.791

■ 90, 20.243,

140.423

■ 92, 5.905, 140.996

■ 94, 8.248, 321.385

■ 95, 13.249,
324.879

Harmonies

Complementary

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



83, 87.500, 136.645



59, 87.778, 323.815

Rectangle

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



83, 87.500, 136.645



83, 87.500, 186.645



83, 87.500, 316.645



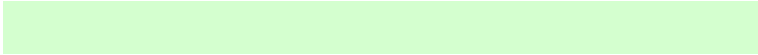
83, 87.500, 6.645

Sweetspot

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



83, 87.501, 136.646



96, 29.198, 140.121



85, 64.985, 96.989



51, 20.106, 139.936



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 87.501, 136.646



89, 107.025, 135.781



83, 69.498, 150.029



48, 8.124, 140.693



64, 91.855, 135.409



19, 37.213, 136.305

Inverse Universe

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



59, 87.778, 323.815



59, 106.482, 323.962



59, 69.821, 343.270



46, 8.155, 321.587



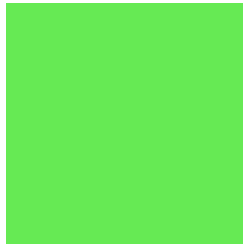
39, 90.143, 323.620



8, 38.529, 324.275

Previews

White Background



This preview shows how the CIE LCh color 83, 87.500, 136.645 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 83, 87.500, 136.645 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

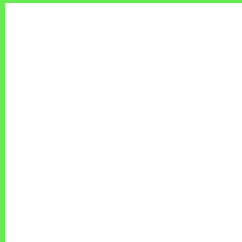
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 87.500, 136.645

Background



This preview shows how black text looks on a background with the CIELCh color 83, 87.500, 136.645.

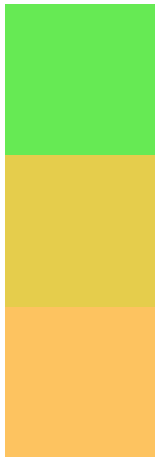


This preview shows how white text looks on a background with the CIELCh color 83, 87.500, 136.645.

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
83, 87.500, 136.645

Protanopia
82, 64.956, 95.206

Deuteranopia
82, 57.581, 79.532



Tritanopia
83, 26.976, 217.430

Trichromacy



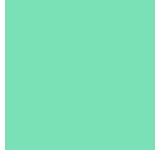
Original Color
83, 87.500, 136.645



Protanomaly
81, 68.176, 115.659



Deuteranomaly
81, 59.030, 109.449

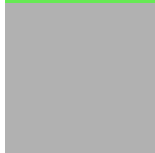


Tritanomaly
82, 41.396, 163.274

Monochromacy



Original Color
83, 87.500, 136.645



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 34.699, 139.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 87.500, 136.645 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, 234, 84)` looks like.

```
.text, #text, p{  
    color:rgb(102, 234, 84)  
}
```

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, 234, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 234, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 87.500, 136.645 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, 234, 84) }
```

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

```
.border{ border-color:rgb(102, 234, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 234, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 234, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 234, 84);  
box-shadow:4px 4px 4px 4px rgb(102, 234,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 87.500, 136.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 234, 84) }
```

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

```
.background{ background-color: rgb(102,  
234, 84) }
```

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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