

Converting Colors

CIELCh(83, 92.343, 135.027)

Have a look what the booklet for
CIELCh(83, 92.343, 135.027)
contains.

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Color

CIELCh(83, 92.334, 135.014)

Conversions

Conversions Part 1

Format	Color
Hex	64EA46
RGB	100, 234, 70
RGB Percent	39%, 92%, 27%
CMY	0.6067, 0.0813, 0.7245
CMYK	0.57, 0.00, 0.70, 0.08
HSL	109°, 80%, 60%
HSV	109°, 70%, 92%
XYZ	35.8970, 62.1629, 15.9435
YIQ	175.2380, -27.2200, -79.4120

Conversions

Conversions Part 2

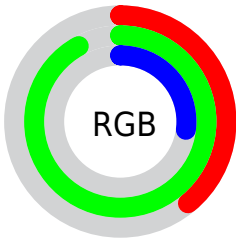
Format	Color
RYB	70, 234, 204
Decimal	6613574
CIELab	83.00, -65.31, 65.27
CIElCh	83, 92.334, 135.014
Yxy	62.1629, 0.3149, 0.5453
Android (android.graphics.Color)	4284803654 (0xFF64EA46)
YUV	175.2380, -51.8823, -65.9837
Hunter-Lab	78.8435, -56.7060, 43.2010

Details

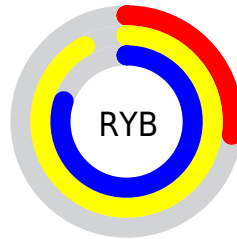
The CIELCh color **83, 92.334, 135.014** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **55, 93.561, 321.893**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 72.406, 133.900**, and **63, 90.705, 135.717** is the 20% darker color. If you saturate the color by 10%, you get **82, 101.101, 134.655**, and if you desaturate by 10%, it is **84, 81.507, 135.604**.

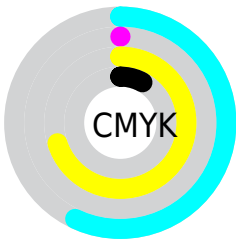
Distribution



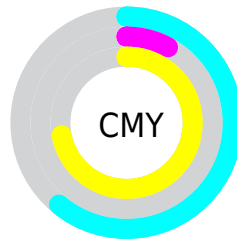
- Red (39%)
- Green (92%)
- Blue (27%)



- Red (27%)
- Yellow (92%)
- Blue (80%)



- Cyan (57%)
- Magenta (0%)
- Yellow (70%)
- Black (8%)





- Cyan (61%)
- Magenta (8%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 92.334, 135.014 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, 92.334, 135.014 by changing the saturation by 10% instead.


 83, 92.334,
135.014


 83, 92.334,
135.014


 100, 92.334,
135.014


 73, 92.334,
135.014

 63, 92.334,
135.014

 53, 92.334,
135.014

 43, 92.334,
135.014

 33, 92.334,
135.014

 23, 92.334,
135.014

 13, 92.334,

135.014

■ 3, 92.334, 135.014

■ 0, 92.334, 135.014

■ 83, 92.334,
135.014

■ 83, 92.334,
135.014

■ 82, 101.101,
134.655

■ 84, 81.507,
135.604

■ 82, 107.244,
134.651

■ 85, 69.224,
136.298


■ 82, 110.758,
134.975

■ 86, 55.991,
137.010


■ 87, 42.199,
137.686


■ 89, 28.137,

138.304

 91, 14.019,
138.857

 93, 0.004, 236.131

 95, 12.638,
322.717

 95, 12.946,
324.867

Harmonies

Complementary

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



83, 92.334, 135.014



55, 93.561, 321.893

Rectangle

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



83, 92.334, 135.014



83, 92.334, 185.014



83, 92.334, 315.014



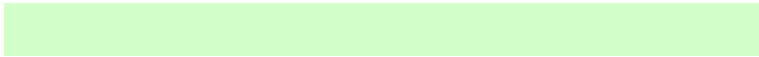
83, 92.334, 5.014

Sweetspot

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



83, 92.334, 135.015



96, 31.643, 138.240



83, 67.423, 93.034



51, 21.423, 138.073



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, 92.334, 135.015



89, 111.043, 134.604



83, 77.894, 147.088



48, 7.965, 138.885



64, 91.150, 134.832



19, 36.714, 135.259

Inverse Universe

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



55, 93.561, 321.893



55, 111.620, 321.798



57, 76.478, 341.272



46, 8.007, 319.722



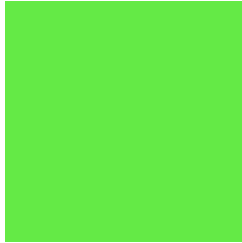
37, 90.845, 321.312



7, 38.623, 322.214

Previews

White Background



This preview shows how the CIELCh color 83, 92.334, 135.014 looks on a white background.

Color Contrast Check

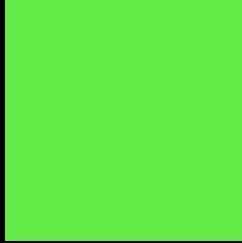
Large Text (above 18pt) WCAG AA × Fail

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, 92.334, 135.014 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

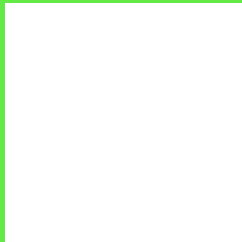
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 92.334, 135.014

Background



This preview shows how black text looks on a background with the CIELCh color 83, 92.334, 135.014.

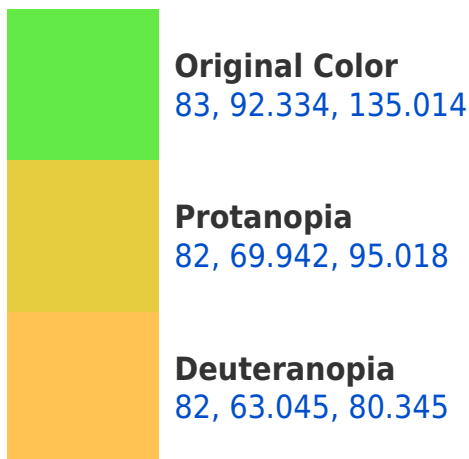


This preview shows how white text looks on a background with the CIELCh color 83, 92.334, 135.014.

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
83, 26.976, 217.430

Trichromacy



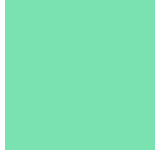
Original Color
83, 92.334, 135.014



Protanomaly
82, 73.455, 114.807



Deuteranomaly
81, 64.494, 108.245

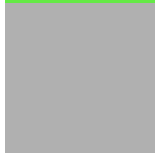


Tritanomaly
82, 43.708, 160.208

Monochromacy



Original Color
83, 92.334, 135.014



Achromatopsia
72, 0.009, 296.813



Achromatomaly
75, 36.750, 138.084

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 92.334, 135.014 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(100, 234, 70)` looks like.

```
.text, #text, p{  
    color:rgb(100, 234, 70)  
}
```

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(100, 234, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 234, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 92.334, 135.014 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(100, 234, 70) }
```

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

```
.border{ border-color:rgb(100, 234, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 234, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 234, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 234, 70);  
box-shadow:4px 4px 4px 4px rgb(100, 234,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 92.334, 135.014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 234, 70) }
```

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

```
.background{ background-color: rgb(100,  
234, 70) }
```

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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