

Converting Colors

CIELCh(86, 100.548, 131.649)

Have a look what the booklet for
CIELCh(86, 100.548, 131.649)
contains.

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Color

CIELCh(86, 100.335, 131.685)

Conversions

Conversions Part 1

Format	Color
Hex	70F331
RGB	112, 243, 49
RGB Percent	44%, 95%, 19%
CMY	0.5594, 0.0458, 0.8063
CMYK	0.54, 0.00, 0.80, 0.05
HSL	101°, 89%, 57%
HSV	101°, 80%, 95%
XYZ	39.4372, 67.9871, 13.9939
YIQ	181.7150, -15.8020, -88.1060

Conversions

Conversions Part 2

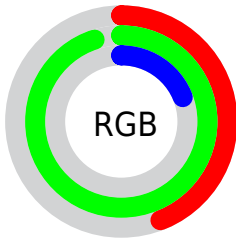
Format	Color
RYB	49, 243, 180
Decimal	7402289
CIELab	86.00, -66.73, 74.93
CIELCh	86, 100.335, 131.685
Yxy	67.9871, 0.3248, 0.5599
Android (android.graphics.Color)	4285592369 (0xFF70F331)
YUV	181.7150, -65.4285, -61.1401
Hunter-Lab	82.4543, -58.9199, 47.6555

Details

The CIELCh color **86, 100.335, 131.685** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **50, 105.697, 317.446**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 76.668, 128.422**, and **66, 92.874, 134.732** is the 20% darker color. If you saturate the color by 10%, you get **85, 106.898, 132.085**, and if you desaturate by 10%, it is **87, 91.286, 131.701**.

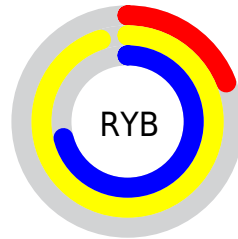
Distribution



Red (44%)

Green (95%)

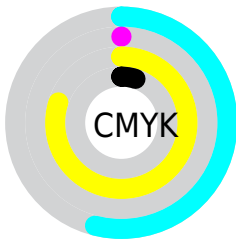
Blue (19%)



Red (19%)

Yellow (95%)

Blue (71%)

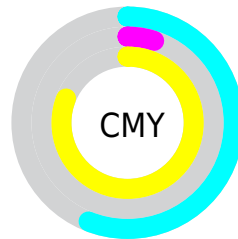


Cyan (54%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (56%)


Magenta (5%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 100.335, 131.685 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 86, 100.335, 131.685 by changing the saturation by 10% instead.


 86, 100.335,
131.685


 86, 100.335,
131.685


 100, 100.335,
131.685


 76, 100.335,
131.685


 66, 100.335,
131.685

 56, 100.335,
131.685

 46, 100.335,
131.685

 36, 100.335,
131.685

 26, 100.335,
131.685

 16, 100.335,

131.685

■ 6, 100.335,
131.685

■ 0, 100.335,
131.685

■ 86, 100.335,
131.685

■ 86, 100.335,
131.685

■ 85, 106.898,
132.085

■ 87, 91.286,
131.701

■ 85, 110.925,
132.884

■ 88, 80.317,
132.003

■ 85, 111.030,
132.907

■ 89, 68.020,
132.468

■ 90, 54.878,
133.001

■ 91, 41.243,
133.544

■ 93, 27.369,
134.064

■ 94, 13.435,
134.548

■ 96, 0.430, 314.495

■ 97, 7.272, 324.652

Harmonies

Complementary

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



86, 100.335, 131.685



50, 105.697, 317.446

Rectangle

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



86, 100.335, 131.685



86, 100.335, 181.685



86, 100.335, 311.685



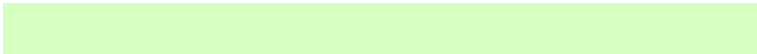
86, 100.335, 1.685

Sweetspot

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



86, 100.335, 131.686



96, 34.648, 133.841



77, 71.012, 79.715



51, 23.795, 133.654



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 100.335, 131.686



89, 113.683, 132.597



85, 98.526, 140.631



50, 7.912, 134.558



67, 90.570, 132.686



21, 38.354, 131.866

Inverse Universe

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



50, 105.697, 317.446



48, 119.207, 316.689



58, 93.121, 334.676



48, 7.983, 315.331



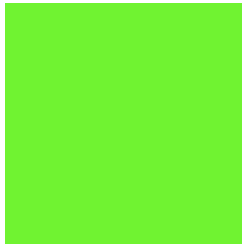
34, 94.972, 316.593



7, 41.617, 317.804

Previews

White Background



This preview shows how the CIELCh color 86, 100.335, 131.685 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 CIE LCh color 86, 100.335, 131.685 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

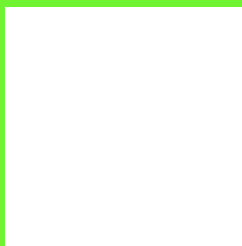
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 86, 100.335, 131.685

Background



This preview shows how black text looks on a background with the CIELCh color 86, 100.335, 131.685.

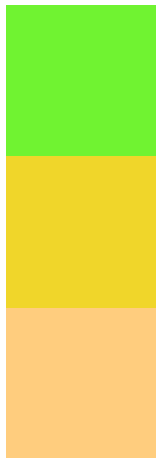


This preview shows how white text looks on a background with the CIELCh color 86, 100.335, 131.685.

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


86, 100.335, 131.685

Protanopia

85, 79.528, 95.181

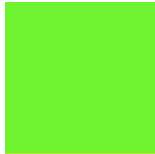
Deuteranopia

85, 46.529, 79.653



Tritanopia
86, 25.899, 219.501

Trichromacy



Original Color
86, 100.335, 131.685



Protanomaly
85, 82.730, 112.435



Deuteranomaly
84, 60.785, 111.277

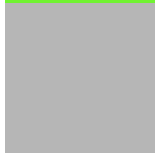


Tritanomaly
85, 46.347, 154.751

Monochromacy



Original Color
86, 100.335, 131.685



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 41.195, 133.191

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 100.335, 131.685 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(112, 243, 49)` looks like.

```
.text, #text, p{  
    color:rgb(112, 243, 49)  
}
```

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(112, 243, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 243, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 100.335, 131.685 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(112, 243, 49) }
```

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

```
.border{ border-color:rgb(112, 243, 49) }
```

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

Here you see how a box with a 4 pixel rgb(112, 243, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 243, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 243, 49);  
box-shadow:4px 4px 4px 4px rgb(112, 243,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 100.335, 131.685 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 243, 49) }
```

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

```
.background{ background-color: rgb(112,  
243, 49) }
```

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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