

Converting Colors

CIELCh(90, 84.491, 116.329)

Have a look what the booklet for
CIELCh(90, 84.491, 116.329)
contains.

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Color

CIELCh(90, 84.671, 116.226)

Conversions

Conversions Part 1

Format	Color
Hex	C6F340
RGB	198, 243, 64
RGB Percent	78%, 95%, 25%
CMY	0.2245, 0.0479, 0.7500
CMYK	0.19, 0.00, 0.74, 0.05
HSL	75°, 88%, 60%
HSV	75°, 74%, 95%
XYZ	56.1255, 76.3034, 16.5818
YIQ	209.1390, 30.6390, -65.2090

Conversions

Conversions Part 2

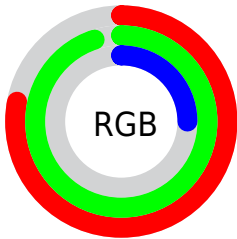
Format	Color
RYB	64, 243, 109
Decimal	13038400
CIELab	90.00, -37.42, 75.95
CIELCh	90, 84.671, 116.226
Yxy	76.3034, 0.3767, 0.5121
Android (android.graphics.Color)	4291228480 (0xFFC6F340)
YUV	209.1390, -71.5535, -9.7689
Hunter-Lab	87.3518, -38.1754, 49.8914

Details

The CIELCh color **90, 84.671, 116.226** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed yellow. A complement of this color would be **43, 103.103, 306.724**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 63.989, 105.281**, and **70, 79.827, 117.453** is the 20% darker color. If you saturate the color by 10%, you get **90, 91.415, 116.439**, and if you desaturate by 10%, it is **91, 75.838, 116.358**.

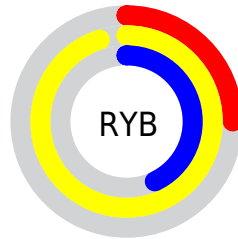
Distribution



Red (78%)

Green (95%)

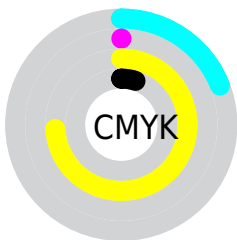
Blue (25%)



Red (25%)

Yellow (95%)

Blue (43%)

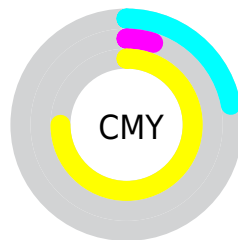


Cyan (19%)

Magenta (0%)

Yellow (74%)

Black (5%)



Cyan (22%)


Magenta (5%)

Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 84.671, 116.226 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 90, 84.671, 116.226 by changing the saturation by 10% instead.

 90, 84.671,
116.226

 90, 84.671,
116.226


 100, 84.671,
116.226

 80, 84.671,
116.226

 70, 84.671,
116.226

 60, 84.671,
116.226

 50, 84.671,
116.226

 40, 84.671,
116.226


 30, 84.671,
116.226

 20, 84.671,


116.226


 10, 84.671,
116.226


 0, 84.671, 116.226


 90, 84.671,
116.226

 90, 84.671,
116.226


 90, 91.415,
116.439


 91, 75.838,
116.358

 89, 95.637,
117.082

 91, 65.499,
116.724

 89, 97.214,
117.669

 92, 54.165,
117.237

 93, 42.207,
117.832

■ 93, 29.878,
118.465

■ 94, 17.346,
119.106

■ 95, 4.720, 119.741

■ 96, 6.428, 302.531

■ 97, 7.192, 319.340

Harmonies

Complementary

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



90, 84.671, 116.226



43, 103.103, 306.724

Rectangle

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



90, 84.671, 116.226



90, 84.671, 166.226



90, 84.671, 296.226



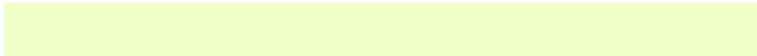
90, 84.671, 346.226

Sweetspot

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



90, 84.671, 116.228



98, 28.831, 118.573



62, 69.404, 45.116



52, 19.349, 118.399



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 84.671, 116.228



93, 97.182, 116.671



86, 96.994, 133.451



51, 7.225, 119.377



70, 79.557, 117.454



22, 34.119, 116.465

Inverse Universe

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



43, 103.103, 306.724



38, 123.615, 307.624



54, 99.850, 319.796



47, 7.371, 300.581



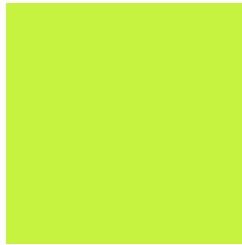
24, 103.318, 307.746



4, 40.675, 305.440

Previews

White Background



This preview shows how the CIELCh color 90, 84.671, 116.226 looks on a white background.

Color Contrast Check

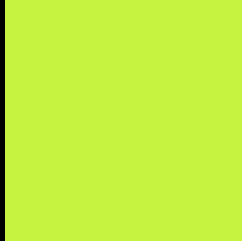
Large Text (above 18pt) WCAG AA × Fail

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 90, 84.671, 116.226 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 90, 84.671, 116.226

Background



This preview shows how black text looks on a background with the CIELCh color 90, 84.671, 116.226.



This preview shows how white text looks on a background with the CIELCh color 90, 84.671, 116.226.

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](#).

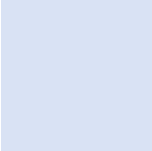
Dichromacy



Original Color
90, 84.671, 116.226

Protanopia
90, 78.953, 95.232

Deuteranopia
90, 28.150, 78.652



Tritanopia
90, 9.794, 272.629

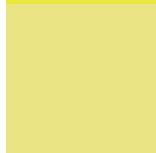
Trichromacy



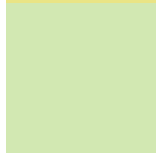
Original Color
90, 84.671, 116.226



Protanomaly
90, 79.456, 103.378



Deuteranomaly
89, 48.214, 103.260

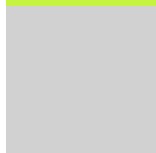


Tritanomaly
89, 29.047, 124.605

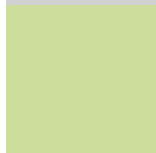
Monochromacy



Original Color
90, 84.671, 116.226



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 34.170, 117.896

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 84.671, 116.226 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(198, 243, 64)` looks like.

```
.text, #text, p{  
    color:rgb(198, 243, 64)  
}
```

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(198, 243, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 243, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 84.671, 116.226 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(198, 243, 64) }
```

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

```
.border{ border-color:rgb(198, 243, 64) }
```

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

Here you see how a box with a 4 pixel rgb(198, 243, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 243, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 243, 64);  
box-shadow:4px 4px 4px 4px rgb(198, 243,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 84.671, 116.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 243, 64) }
```

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

```
.background{ background-color: rgb(198,  
243, 64) }
```

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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