

Converting Colors

CIELCh(90, 84.680, 117.052)

Have a look what the booklet for
CIELCh(90, 84.680, 117.052)
contains.

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Color

CIELCh(90, 84.666, 117.062)

Conversions

Conversions Part 1

Format	Color
Hex	C3F341
RGB	195, 243, 65
RGB Percent	76%, 95%, 25%
CMY	0.2341, 0.0459, 0.7438
CMYK	0.20, 0.00, 0.73, 0.05
HSL	76°, 88%, 61%
HSV	76°, 73%, 95%
XYZ	55.6843, 76.3034, 16.8432
YIQ	208.3560, 28.5300, -65.5340

Conversions

Conversions Part 2

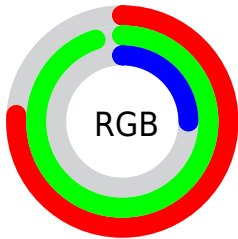
Format	Color
R _{YB}	65, 243, 113
Decimal	12841793
CIE Lab	90.00, -38.52, 75.40
CIE LCh	90, 84.666, 117.062
Yxy	76.3034, 0.3741, 0.5127
Android (android.graphics.Color)	4291031873 (0xFFC3F341)
YUV	208.3560, -70.6745, -11.7132
Hunter-Lab	87.3518, -39.0769, 49.7139

Details

The CIELCh color **90, 84.666, 117.062** 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 **44, 102.353, 307.044**, 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, 80.189, 118.275** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.625, 117.284**, and if you desaturate by 10%, it is **91, 75.655, 117.186**.

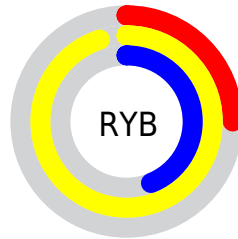
Distribution



Red (76%)

Green (95%)

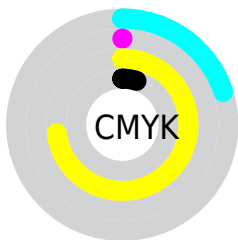
Blue (25%)



Red (25%)

Yellow (95%)

Blue (44%)

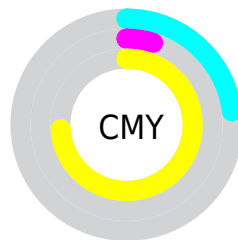


Cyan (20%)

Magenta (0%)

Yellow (73%)

Black (5%)



Cyan (23%)


Magenta (5%)


Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 84.666, 117.062 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, 84.666, 117.062 by changing the saturation by 10% instead.


 90, 84.666,
117.062


 90, 84.666,
117.062


 100, 84.666,
117.062


 80, 84.666,
117.062

 70, 84.666,
117.062

 60, 84.666,
117.062


 50, 84.666,
117.062

 40, 84.666,
117.062


 30, 84.666,
117.062


 20, 84.666,


117.062


 10, 84.666,
117.062


 0, 84.666, 117.062


 90, 84.666,
117.062


 90, 84.666,
117.062


 89, 91.625,
117.284


 91, 75.655,
117.186

 89, 96.080,
117.942

 91, 65.174,
117.543

 89, 97.891,
118.616

 92, 53.727,
118.044

 93, 41.677,
118.625

■ 94, 29.270,
119.241

■ 95, 16.670,
119.864

■ 96, 3.987, 120.482

■ 97, 6.221, 305.143

■ 97, 7.164, 323.157

Harmonies

Complementary

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



90, 84.666, 117.062



44, 102.353, 307.044

Rectangle

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



90, 84.666, 117.062



90, 84.666, 167.062



90, 84.666, 297.062



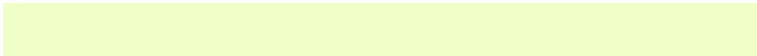
90, 84.666, 347.062

Sweetspot

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



90, 84.666, 117.064



98, 28.910, 119.309



63, 68.295, 46.279



52, 19.403, 119.140



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, 84.666, 117.064



93, 97.623, 117.559



86, 97.022, 133.832



51, 7.243, 120.090



70, 79.969, 118.388



22, 34.258, 117.341

Inverse Universe

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



44, 102.353, 307.044



39, 123.295, 307.890



55, 99.434, 320.319



47, 7.386, 301.255



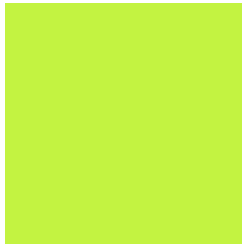
24, 103.027, 307.950



4, 40.738, 305.895

Previews

White Background



This preview shows how the CIELCh color 90, 84.666, 117.062 looks on a white background.

Color Contrast Check

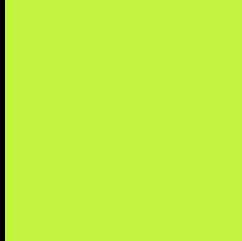
Large Text (above 18pt) WCAG AA × Fail

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, 84.666, 117.062 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, 84.666, 117.062

Background



This preview shows how black text looks on a background with the CIELCh color 90, 84.666, 117.062.



This preview shows how white text looks on a background with the CIELCh color 90, 84.666, 117.062.

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, 84.666, 117.062

Protanopia
90, 78.334, 95.220

Deuteranopia
90, 28.150, 78.652



Tritanopia
90, 10.127, 267.139

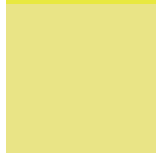
Trichromacy



Original Color
90, 84.666, 117.062



Protanomaly
89, 78.828, 103.733



Deuteranomaly
89, 47.712, 103.764

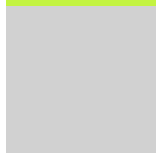


Tritanomaly
89, 28.906, 127.005

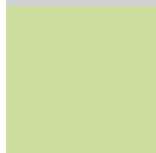
Monochromacy



Original Color
90, 84.666, 117.062



Achromatopsia
84, 0.010, 296.813



Achromatomaly
85, 33.753, 118.724

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 84.666, 117.062 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(195, 243, 65)` looks like.

```
.text, #text, p{  
    color:rgb(195, 243, 65)  
}
```

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(195, 243, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 243, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 84.666, 117.062 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(195, 243, 65) }
```

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

```
.border{ border-color:rgb(195, 243, 65) }
```

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

Here you see how a box with a 4 pixel rgb(195, 243, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 243, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 243, 65);  
box-shadow:4px 4px 4px 4px rgb(195, 243,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 84.666, 117.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 243, 65) }
```

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

```
.background{ background-color: rgb(195,  
243, 65) }
```

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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