

Converting Colors

CIELCh(90, 83.082, 122.402)

Have a look what the booklet for
CIELCh(90, 83.082, 122.402)
contains.

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Color

CIELCh(90, 82.936, 122.491)

Conversions

Conversions Part 1

Format	Color
Hex	B4F650
RGB	180, 246, 80
RGB Percent	71%, 96%, 31%
CMY	0.2935, 0.0347, 0.6857
CMYK	0.27, 0.00, 0.67, 0.03
HSL	84°, 90%, 64%
HSV	84°, 67%, 97%
XYZ	53.3106, 76.3034, 19.5364
YIQ	207.3420, 13.9500, -65.6180

Conversions

Conversions Part 2

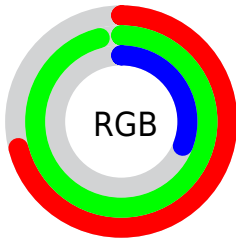
Format	Color
R_{YB}	80, 246, 146
Decimal	11859536
CIE _{Lab}	90.00, -44.55, 69.95
CIE _{LCh}	90, 82.936, 122.491
Yxy	76.3034, 0.3574, 0.5116
Android (android.graphics.Color)	4290049616 (0xFFB4F650)
YUV	207.3420, -62.7796, -23.9789
Hunter-Lab	87.3518, -43.9274, 47.8859

Details

The CIELCh color **90, 82.936, 122.491** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted chartreuse. A complement of this color would be **50, 94.938, 309.644**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 58.522, 111.979**, and **70, 82.824, 122.496** is the 20% darker color. If you saturate the color by 10%, you get **89, 91.688, 122.621**, and if you desaturate by 10%, it is **91, 72.485, 122.667**.

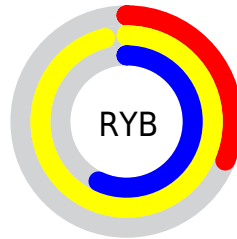
Distribution



Red (71%)

Green (96%)

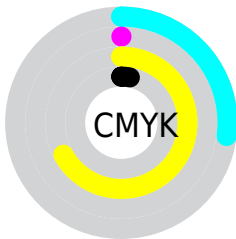
Blue (31%)



Red (31%)

Yellow (96%)

Blue (57%)

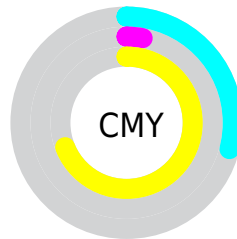


Cyan (27%)

Magenta (0%)

Yellow (67%)

Black (3%)



Cyan (29%)


Magenta (3%)


Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 82.936, 122.491 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, 82.936, 122.491 by changing the saturation by 10% instead.


 90, 82.936,
122.491


 90, 82.936,
122.491


 100, 82.936,
122.491


 80, 82.936,
122.491

 70, 82.936,
122.491

 60, 82.936,
122.491

 50, 82.936,
122.491

 40, 82.936,
122.491

 30, 82.936,
122.491

 20, 82.936,

122.491

■ 10, 82.936,
122.491

■ 0, 82.936, 122.491

■ 90, 82.936,
122.491

■ 90, 82.936,
122.491

■ 89, 91.688,
122.621

■ 91, 72.485,
122.667

■ 89, 98.172,
123.178

■ 92, 60.885,
123.030

■ 88, 102.133,
124.234

■ 93, 48.557,
123.498

■ 88, 102.925,
124.539

■ 94, 35.799,
124.012

95, 22.810,
124.539

96, 9.725, 125.058

97, 3.361, 305.508

98, 5.509, 324.577

Harmonies

Complementary

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



90, 82.936, 122.491



50, 94.938, 309.644

Rectangle

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



90, 82.936, 122.491



90, 82.936, 172.491



90, 82.936, 302.491



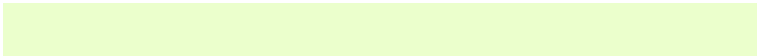
90, 82.936, 352.491

Sweetspot

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



90, 82.937, 122.492



97, 26.911, 124.402



70, 59.864, 55.980



52, 18.349, 124.254



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, 82.937, 122.492



92, 96.945, 122.771



87, 94.902, 136.442



51, 7.401, 124.953



68, 83.260, 124.257



22, 35.418, 122.977

Inverse Universe

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



50, 94.938, 309.644



44, 114.359, 310.141



61, 94.973, 323.977



47, 7.525, 305.893



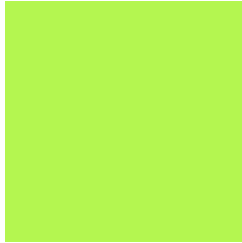
27, 100.653, 309.819



4, 41.185, 309.380

Previews

White Background



This preview shows how the CIELCh color 90, 82.936, 122.491 looks on a white background.

Color Contrast Check

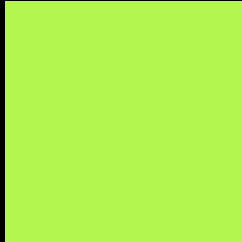
Large Text (above 18pt) WCAG AA × Fail

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, 82.936, 122.491 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, 82.936, 122.491

Background



This preview shows how black text looks on a background with the CIELCh color 90, 82.936, 122.491.

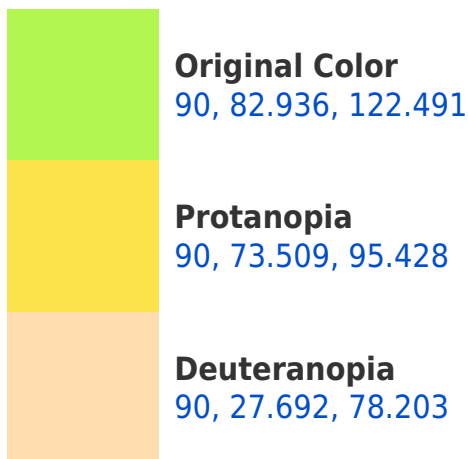


This preview shows how white text looks on a background with the CIELCh color 90, 82.936, 122.491.

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
90, 13.247, 244.113

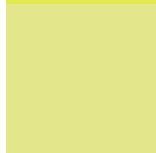
Trichromacy



Original Color
90, 82.936, 122.491



Protanomaly
89, 74.473, 106.363



Deuteranomaly
89, 45.677, 107.412

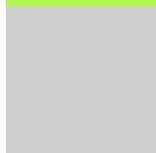


Tritanomaly
89, 29.950, 139.941

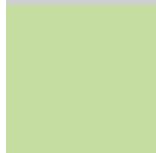
Monochromacy



Original Color
90, 82.936, 122.491



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 32.479, 124.126

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 82.936, 122.491 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(180, 246, 80)` looks like.

```
.text, #text, p{  
    color:rgb(180, 246, 80)  
}
```

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(180, 246, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 246, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 82.936, 122.491 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(180, 246, 80) }
```

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

```
.border{ border-color:rgb(180, 246, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 246, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 246, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 246, 80);  
box-shadow:4px 4px 4px 4px rgb(180, 246,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 82.936, 122.491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 246, 80) }
```

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

```
.background{ background-color: rgb(180,  
246, 80) }
```

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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