

Converting Colors

CIELCh(89, 82.220, 118.625)

Have a look what the booklet for
CIELCh(89, 82.220, 118.625)
contains.

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Color

CIELCh(89, 82.192, 118.750)

Conversions

Conversions Part 1

Format	Color
Hex	BDF148
RGB	189, 241, 72
RGB Percent	74%, 95%, 28%
CMY	0.2590, 0.0551, 0.7178
CMYK	0.22, 0.00, 0.70, 0.06
HSL	78°, 86%, 61%
HSV	78°, 70%, 94%
XYZ	53.5852, 74.1641, 17.6135
YIQ	206.1860, 23.2570, -63.5830

Conversions

Conversions Part 2

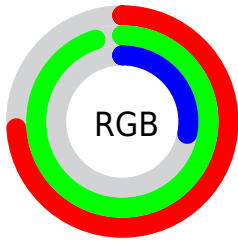
Format	Color
RYB	72, 241, 124
Decimal	12448072
CIELab	89.00, -39.53, 72.06
CIELCh	89, 82.192, 118.750
Yxy	74.1641, 0.3686, 0.5102
Android (android.graphics.Color)	4290638152 (0xFFBDF148)
YUV	206.1860, -66.1537, -15.0721
Hunter-Lab	86.1186, -39.6402, 48.1567

Details

The CIELCh color **89, 82.192, 118.750** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light washed chartreuse. A complement of this color would be **46, 97.332, 307.626**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 61.369, 107.741**, and **69, 80.119, 119.485** is the 20% darker color. If you saturate the color by 10%, you get **88, 89.916, 118.907**, and if you desaturate by 10%, it is **90, 72.623, 118.916**.

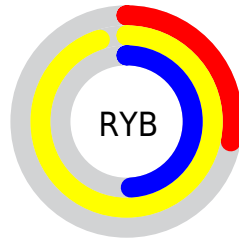
Distribution



Red (74%)

Green (95%)

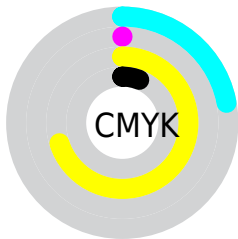
Blue (28%)



Red (28%)

Yellow (95%)

Blue (49%)

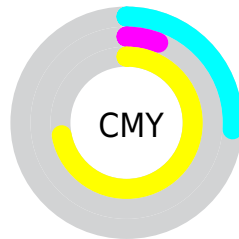


Cyan (22%)

Magenta (0%)

Yellow (70%)

Black (6%)



Cyan (26%)


Magenta (6%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 82.192, 118.750 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 89, 82.192, 118.750 by changing the saturation by 10% instead.


 89, 82.192,
118.750

 89, 82.192,
118.750


 100, 82.192,
118.750


 79, 82.192,
118.750

 69, 82.192,
118.750

 59, 82.192,
118.750

 49, 82.192,
118.750

 39, 82.192,
118.750

 29, 82.192,
118.750

 19, 82.192,

118.750

■ 9, 82.192, 118.750

■ 0, 82.192, 118.750

■ 89, 82.192,
118.750

■ 89, 82.192,
118.750

■ 88, 89.916,
118.907

■ 90, 72.623,
118.916

■ 88, 95.274,
119.494

■ 90, 61.774,
119.290

■ 88, 98.311,
120.495

■ 91, 50.098,
119.788

■ 92, 37.917,
120.350

■ 93, 25.445,

120.936

■ 94, 12.828,
121.522

■ 95, 0.163, 122.446

■ 96, 7.673, 310.015

■ 97, 8.750, 324.711

Harmonies

Complementary

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



89, 82.192, 118.750



46, 97.332, 307.626

Rectangle

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



89, 82.192, 118.750



89, 82.192, 168.750



89, 82.192, 298.750



89, 82.192, 348.750

Sweetspot

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



89, 82.193, 118.752



98, 27.775, 120.881



64, 63.442, 48.786



52, 18.781, 120.718



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



89, 82.193, 118.752



93, 96.479, 119.091



85, 94.160, 134.654



50, 7.160, 121.561



68, 80.048, 120.243



21, 33.273, 119.276

Inverse Universe

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



46, 97.332, 307.626



41, 118.858, 308.411



56, 95.780, 321.360



46, 7.295, 302.646



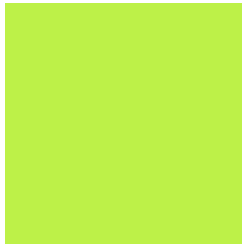
25, 101.322, 308.432



4, 38.815, 306.210

Previews

White Background



This preview shows how the CIELCh color 89, 82.192, 118.750 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 89, 82.192, 118.750 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 89, 82.192, 118.750

Background



This preview shows how black text looks on a background with the CIELCh color 89, 82.192, 118.750.

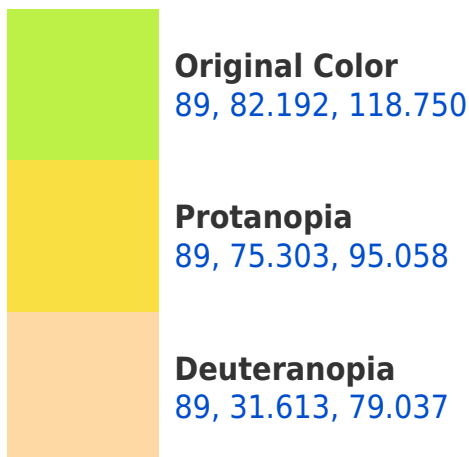


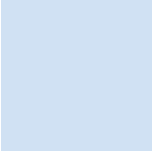
This preview shows how white text looks on a background with the CIELCh color 89, 82.192, 118.750.

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
89, 10.886, 258.979

Trichromacy



Original Color
89, 82.192, 118.750



Protanomaly
89, 76.133, 104.544



Deuteranomaly
88, 48.252, 103.711

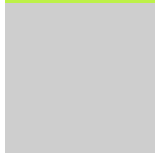


Tritanomaly
88, 28.231, 131.522

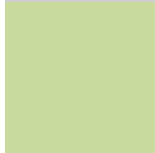
Monochromacy



Original Color
89, 82.192, 118.750



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 32.990, 120.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 82.192, 118.750 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(189, 241, 72)` looks like.

```
.text, #text, p{  
    color:rgb(189, 241, 72)  
}
```

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(189, 241, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 241, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 82.192, 118.750 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(189, 241, 72) }
```

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

```
.border{ border-color:rgb(189, 241, 72) }
```

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

Here you see how a box with a 4 pixel rgb(189, 241, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 241, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 241, 72);  
box-shadow:4px 4px 4px 4px rgb(189, 241,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 82.192, 118.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 241, 72) }
```

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

```
.background{ background-color: rgb(189,  
241, 72) }
```

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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