

Converting Colors

CIELCh(89, 92.569, 122.667)

Have a look what the booklet for
CIELCh(89, 92.569, 122.667)
contains.

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Color

CIELCh(89, 92.389, 122.721)

Conversions

Conversions Part 1

Format	Color
Hex	A8F534
RGB	168, 245, 52
RGB Percent	66%, 96%, 20%
CMY	0.3396, 0.0377, 0.7941
CMYK	0.31, 0.00, 0.79, 0.04
HSL	84°, 91%, 58%
HSV	84°, 79%, 96%
XYZ	49.6360, 74.1641, 15.0056
YIQ	199.9750, 16.0610, -76.3470

Conversions

Conversions Part 2

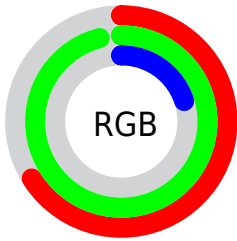
Format	Color
RYB	52, 245, 129
Decimal	11072820
CIELab	89.00, -49.94, 77.73
CIElCh	89, 92.389, 122.721
Yxy	74.1641, 0.3576, 0.5343
Android (android.graphics.Color)	4289262900 (0xFFA8F534)
YUV	199.9750, -72.9517, -28.0421
Hunter-Lab	86.1186, -47.8259, 49.9522

Details

The CIELCh color **89, 92.389, 122.721** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **44, 108.359, 310.127**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 69.233, 113.975**, and **69, 84.515, 125.176** is the 20% darker color. If you saturate the color by 10%, you get **88, 98.574, 123.336**, and if you desaturate by 10%, it is **90, 83.889, 122.550**.

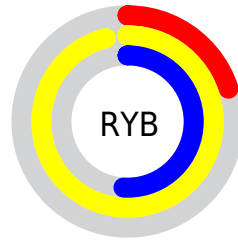
Distribution



Red (66%)

Green (96%)

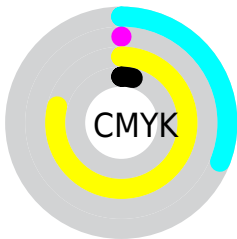
Blue (20%)



Red (20%)

Yellow (96%)

Blue (51%)

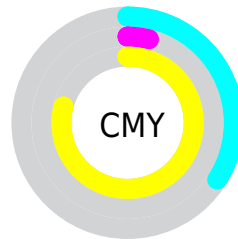


Cyan (31%)

Magenta (0%)

Yellow (79%)

Black (4%)



Cyan (34%)

Magenta (4%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 89, 92.389, 122.721 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, 92.389, 122.721 by changing the saturation by 10% instead.


 89, 92.389,
122.721


 89, 92.389,
122.721


 100, 92.389,
122.721


 79, 92.389,
122.721

 69, 92.389,
122.721

 59, 92.389,
122.721

 49, 92.389,
122.721

 39, 92.389,
122.721


 29, 92.389,
122.721


 19, 92.389,


122.721


 9, 92.389, 122.721


 0, 92.389, 122.721


 89, 92.389,
122.721


 89, 92.389,
122.721


 88, 98.574,
123.336

 90, 83.889,
122.550

 88, 102.306,
124.435

 90, 73.625,
122.695


 88, 102.737,
124.599


 91, 62.156,
123.041

 92, 49.921,
123.499

 93, 37.228,

124.010

 94, 24.285,
124.535

 96, 11.234,
125.055

 97, 1.827, 305.484

 98, 5.979, 324.598

Harmonies

Complementary

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



89, 92.389, 122.721



44, 108.359, 310.127

Rectangle

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



89, 92.389, 122.721



89, 92.389, 172.721



89, 92.389, 302.721



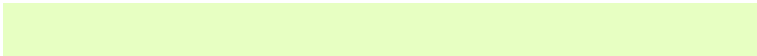
89, 92.389, 352.721

Sweetspot

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



89, 92.389, 122.722



97, 32.273, 124.249



66, 71.163, 55.010



51, 22.143, 124.061



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, 92.389, 122.722



91, 103.888, 123.901



86, 105.210, 135.758



51, 7.403, 125.009



68, 83.303, 124.320



22, 35.434, 123.039

Inverse Universe

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



44, 108.359, 310.127



39, 124.878, 309.966



57, 104.500, 324.064



47, 7.527, 305.948



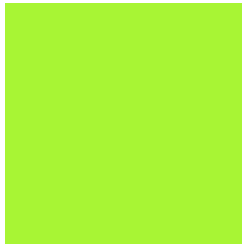
27, 100.622, 309.846



5, 41.190, 309.424

Previews

White Background



This preview shows how the CIE LCh color 89, 92.389, 122.721 looks on a white background.

Color Contrast Check

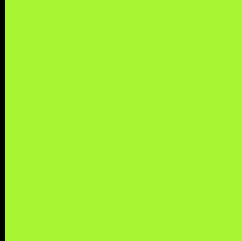
Large Text (above 18pt) WCAG AA × Fail

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, 92.389, 122.721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

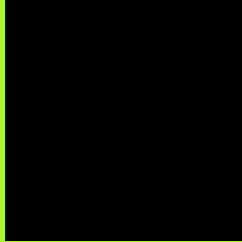
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 92.389, 122.721

Background



This preview shows how black text looks on a background with the CIELCh color 89, 92.389, 122.721.

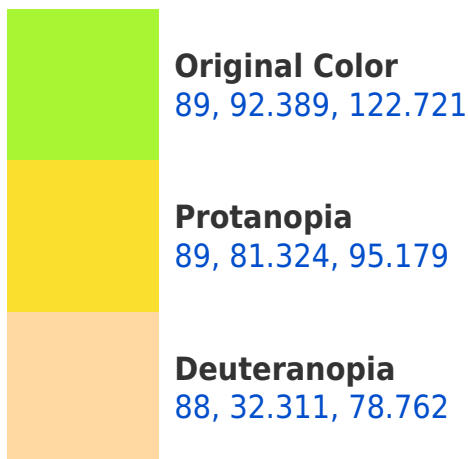


This preview shows how white text looks on a background with the CIELCh color 89, 92.389, 122.721.

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](#).

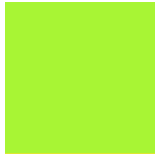
Dichromacy





Tritanopia
89, 15.140, 237.250

Trichromacy



Original Color
89, 92.389, 122.721



Protanomaly
88, 82.686, 106.652



Deuteranomaly
88, 52.933, 107.086

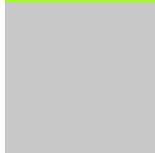


Tritanomaly
88, 36.149, 139.756

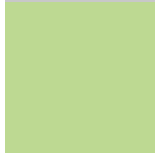
Monochromacy



Original Color
89, 92.389, 122.721



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 38.415, 123.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 92.389, 122.721 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(168, 245, 52)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 52)  
}
```

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(168, 245, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 92.389, 122.721 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(168, 245, 52) }
```

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

```
.border{ border-color:rgb(168, 245, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 245, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 52);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 92.389, 122.721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 52) }
```

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

```
.background{ background-color: rgb(168,  
245, 52) }
```

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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