

Converting Colors

CIELCh(89, 95.528, 122.987)

Have a look what the booklet for
CIELCh(89, 95.528, 122.987)
contains.

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Color

CIELCh(89, 95.288, 122.899)

Conversions

Conversions Part 1

Format	Color
Hex	A5F62B
RGB	165, 246, 43
RGB Percent	65%, 96%, 17%
CMY	0.3525, 0.0348, 0.8307
CMYK	0.33, 0.00, 0.82, 0.03
HSL	84°, 92%, 57%
HSV	84°, 82%, 97%
XYZ	48.9675, 74.1641, 14.0344
YIQ	198.6390, 16.8870, -80.3050

Conversions

Conversions Part 2

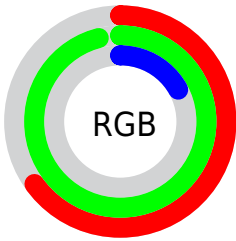
Format	Color
RYB	43, 246, 124
Decimal	10876459
CIELab	89.00, -51.76, 80.01
CIELCh	89, 95.288, 122.899
Yxy	74.1641, 0.3570, 0.5407
Android (android.graphics.Color)	4289066539 (0xFFA5F62B)
YUV	198.6390, -76.7300, -29.5014
Hunter-Lab	86.1186, -49.2115, 50.6208

Details

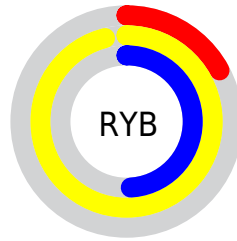
The CIELCh color **89, 95.288, 122.899** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **42, 112.616, 310.188**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 71.925, 114.435**, and **69, 85.542, 126.112** is the 20% darker color. If you saturate the color by 10%, you get **88, 100.498, 123.709**, and if you desaturate by 10%, it is **90, 87.609, 122.571**.

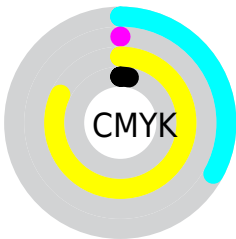
Distribution



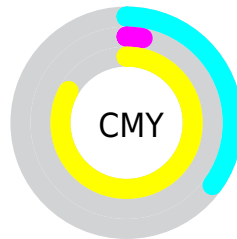
- Red (65%)
- Green (96%)
- Blue (17%)



- Red (17%)
- Yellow (96%)
- Blue (49%)



- Cyan (33%)
- Magenta (0%)
- Yellow (82%)
- Black (3%)



- Cyan (35%)
- Magenta (3%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 95.288, 122.899 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, 95.288, 122.899 by changing the saturation by 10% instead.

■ 89, 95.288,
122.899

■ 89, 95.288,
122.899

■ 100, 95.288,
122.899

■ 79, 95.288,
122.899

■ 69, 95.288,
122.899

■ 59, 95.288,
122.899

■ 49, 95.288,
122.899

■ 39, 95.288,
122.899


■ 29, 95.288,
122.899


■ 19, 95.288,


122.899


 9, 95.288, 122.899


 0, 95.288, 122.899

 89, 95.288,
122.899


 89, 95.288,
122.899


 88, 100.498,
123.709

 90, 87.609,
122.571

 88, 102.965,
124.601


 90, 77.933,
122.608


 91, 66.844,
122.889


 92, 54.833,
123.312

 93, 42.258,

123.808

 94, 29.361,
124.331

 95, 16.308,
124.855

 97, 3.211, 125.381

 98, 5.256, 319.906

Harmonies

Complementary

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



89, 95.288, 122.899



42, 112.616, 310.188

Rectangle

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



89, 95.288, 122.899



89, 95.288, 172.899



89, 95.288, 302.899



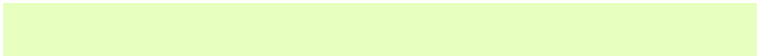
89, 95.288, 352.899

Sweetspot

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



89, 95.288, 122.900



97, 33.607, 124.195



65, 75.091, 54.587



51, 22.897, 124.011



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, 95.288, 122.900



91, 105.485, 124.512



86, 108.320, 135.604



51, 7.403, 125.008



68, 83.302, 124.319



22, 35.433, 123.037

Inverse Universe

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



42, 112.616, 310.188



38, 127.290, 309.692



56, 107.281, 324.047



47, 7.527, 305.947



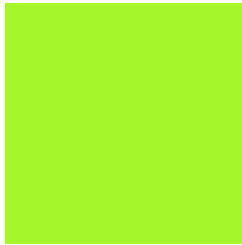
27, 100.623, 309.845



5, 41.190, 309.423

Previews

White Background



This preview shows how the CIELCh color 89, 95.288, 122.899 looks on a white background.

Color Contrast Check

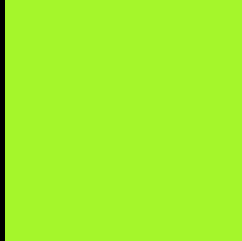
Large Text (above 18pt) WCAG AA × Fail

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, 95.288, 122.899 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

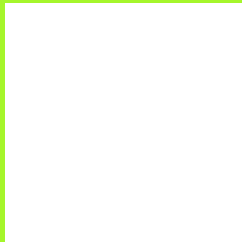
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 95.288, 122.899

Background



This preview shows how black text looks on a background with the CIELCh color 89, 95.288, 122.899.



This preview shows how white text looks on a background with the CIELCh color 89, 95.288, 122.899.

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


89, 95.288, 122.899

Protanopia

89, 83.748, 94.913

Deuteranopia

88, 32.772, 79.124



Tritanopia
89, 15.878, 235.130

Trichromacy



Original Color
89, 95.288, 122.899



Protanomaly
88, 85.072, 106.382



Deuteranomaly
88, 54.821, 107.746

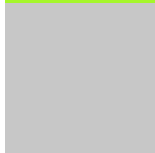


Tritanomaly
88, 38.055, 139.819

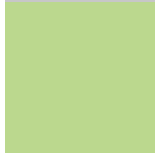
Monochromacy



Original Color
89, 95.288, 122.899



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 40.013, 123.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 95.288, 122.899 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(165, 246, 43)` looks like.

```
.text, #text, p{  
    color:rgb(165, 246, 43)  
}
```

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(165, 246, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 246, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 95.288, 122.899 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(165, 246, 43) }
```

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

```
.border{ border-color:rgb(165, 246, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 246, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 246, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 246, 43);  
box-shadow:4px 4px 4px 4px rgb(165, 246,  
43) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 95.288, 122.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 246, 43) }
```

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

```
.background{ background-color: rgb(165,  
246, 43) }
```

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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