

Converting Colors

CIELCh(89, 94.512, 121.108)

Have a look what the booklet for
CIELCh(89, 94.512, 121.108)
contains.

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Color

CIELCh(89, 94.540, 121.189)

Conversions

Conversions Part 1

Format	Color
Hex	ACF528
RGB	172, 245, 40
RGB Percent	67%, 96%, 16%
CMY	0.3258, 0.0395, 0.8436
CMYK	0.30, 0.00, 0.84, 0.04
HSL	81°, 91%, 56%
HSV	81°, 84%, 96%
XYZ	50.0001, 74.1641, 13.6754
YIQ	199.8030, 22.2970, -79.2310

Conversions

Conversions Part 2

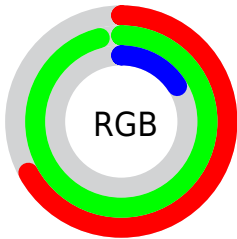
Format	Color
R _Y B	40, 245, 113
Decimal	11334952
CIE Lab	89.00, -48.96, 80.88
CIE LCh	89, 94.540, 121.189
Yxy	74.1641, 0.3627, 0.5380
Android (android.graphics.Color)	4289525032 (0xFFACF528)
YUV	199.8030, -78.7829, -24.3832
Hunter-Lab	86.1186, -47.0713, 50.8679

Details

The CIELCh color **89, 94.540, 121.189** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **41, 114.065, 309.310**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 71.878, 112.176**, and **69, 83.919, 124.322** is the 20% darker color. If you saturate the color by 10%, you get **88, 99.232, 122.025**, and if you desaturate by 10%, it is **90, 87.348, 120.835**.

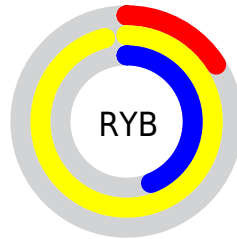
Distribution



Red (67%)

Green (96%)

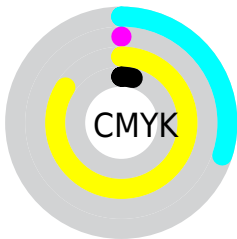
Blue (16%)



Red (16%)

Yellow (96%)

Blue (44%)

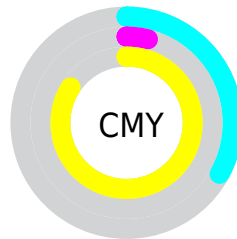


Cyan (30%)

Magenta (0%)

Yellow (84%)

Black (4%)



Cyan (33%)

Magenta (4%)

Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 94.540, 121.189 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, 94.540, 121.189 by changing the saturation by 10% instead.


 89, 94.540,
121.189

 89, 94.540,
121.189


 100, 94.540,
121.189

 79, 94.540,
121.189

 69, 94.540,
121.189

 59, 94.540,
121.189

 49, 94.540,
121.189

 39, 94.540,
121.189

 29, 94.540,
121.189

 19, 94.540,


121.189


 9, 94.540, 121.189


 0, 94.540, 121.189


 89, 94.540,
121.189


 89, 94.540,
121.189


 88, 99.232,
122.025

 90, 87.348,
120.835

 88, 101.111,
122.752

 90, 78.087,
120.856

 91, 67.341,
121.131

 92, 55.617,
121.560

 93, 43.286,

122.071

■ 94, 30.602,
122.617

■ 95, 17.734,
123.168

■ 96, 4.798, 123.715

■ 97, 5.528, 310.707

Harmonies

Complementary

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



89, 94.540, 121.189



41, 114.065, 309.310

Rectangle

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



89, 94.540, 121.189



89, 94.540, 171.189



89, 94.540, 301.189



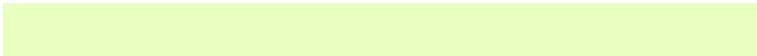
89, 94.540, 351.189

Sweetspot

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



89, 94.540, 121.190



97, 33.312, 122.544



63, 77.060, 51.962



51, 22.693, 122.350



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, 94.540, 121.190



91, 104.275, 122.786



85, 108.096, 135.111



51, 7.344, 123.399



69, 82.130, 122.484



22, 35.011, 121.245

Inverse Universe

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



41, 114.065, 309.310



37, 128.855, 308.933



54, 107.771, 322.909



47, 7.475, 304.402



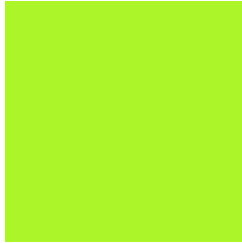
26, 101.479, 309.124



4, 41.042, 308.198

Previews

White Background



This preview shows how the CIELCh color 89, 94.540, 121.189 looks on a white background.

Color Contrast Check

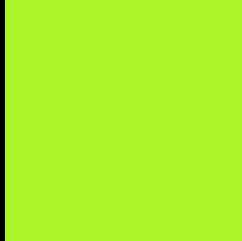
Large Text (above 18pt) WCAG AA × Fail

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, 94.540, 121.189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

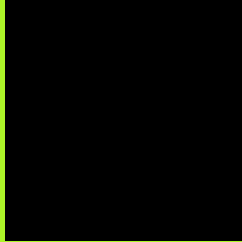
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 94.540, 121.189

Background



This preview shows how black text looks on a background with the CIELCh color 89, 94.540, 121.189.

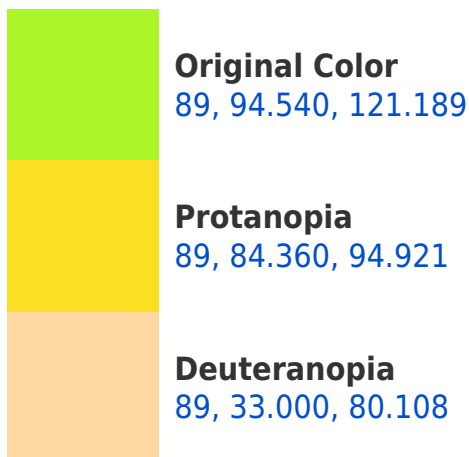


This preview shows how white text looks on a background with the CIELCh color 89, 94.540, 121.189.

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](#).

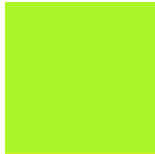
Dichromacy





Tritanopia
89, 14.188, 240.453

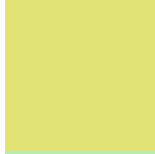
Trichromacy



Original Color
89, 94.540, 121.189



Protanomaly
88, 85.647, 105.748



Deuteranomaly
88, 55.250, 106.415

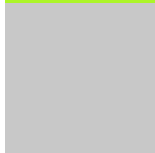


Tritanomaly
88, 37.022, 135.847

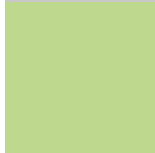
Monochromacy



Original Color
89, 94.540, 121.189



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 39.672, 121.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 94.540, 121.189 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(172, 245, 40)` looks like.

```
.text, #text, p{  
    color:rgb(172, 245, 40)  
}
```

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(172, 245, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 245, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 94.540, 121.189 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(172, 245, 40) }
```

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

```
.border{ border-color:rgb(172, 245, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 245, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 245, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 245, 40);  
box-shadow:4px 4px 4px 4px rgb(172, 245,  
40) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 94.540, 121.189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 245, 40) }
```

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

```
.background{ background-color: rgb(172,  
245, 40) }
```

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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