

Converting Colors

CIELCh(89, 95.636, 116.810)

Have a look what the booklet for
CIELCh(89, 95.636, 116.810)
contains.

CIELCh(89, 95.562, 116.791)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 95.562, 116.791)

Conversions

Conversions Part 1

Format	Color
Hex	BAF20D
RGB	186, 242, 13
RGB Percent	73%, 95%, 5%
CMY	0.2695, 0.0499, 0.9493
CMYK	0.23, 0.00, 0.95, 0.05
HSL	75°, 90%, 50%
HSV	75°, 95%, 95%
XYZ	52.2193, 74.1641, 11.9404
YIQ	199.1500, 40.1330, -83.0910

Conversions

Conversions Part 2

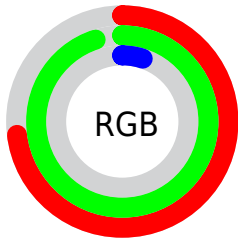
Format	Color
RYB	13, 242, 69
Decimal	12251661
CIELab	89.00, -43.07, 85.30
CIELCh	89, 95.562, 116.791
Yxy	74.1641, 0.3775, 0.5362
Android (android.graphics.Color)	4290441741 (0xFFBAF20D)
YUV	199.1500, -91.7720, -11.5326
Hunter-Lab	86.1186, -42.4714, 52.0624

Details

The CIELCh color **89, 95.562, 116.791** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle saturated chartreuse. A complement of this color would be **34, 123.553, 307.592**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 76.070, 106.851**, and **69, 81.070, 120.707** is the 20% darker color. If you saturate the color by 10%, you get **89, 96.863, 117.287**, and if you desaturate by 10%, it is **89, 91.610, 116.127**.

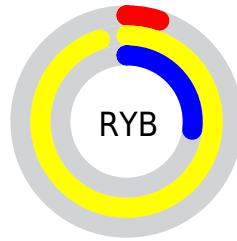
Distribution



Red (73%)

Green (95%)

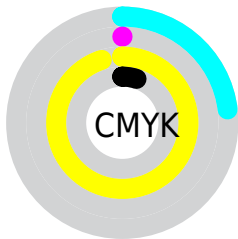
Blue (5%)



Red (5%)

Yellow (95%)

Blue (27%)

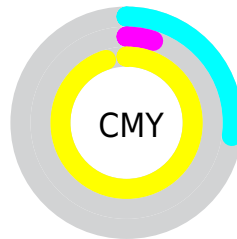


Cyan (23%)

Magenta (0%)

Yellow (95%)

Black (5%)



Cyan (27%)

Magenta (5%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 95.562, 116.791 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, 95.562, 116.791 by changing the saturation by 10% instead.

■ 89, 95.562,
116.791

■ 89, 95.562,
116.791

■ 100, 95.562,
116.791

■ 79, 95.562,
116.791

■ 69, 95.562,
116.791

■ 59, 95.562,
116.791

■ 49, 95.562,
116.791

■ 39, 95.562,
116.791


■ 29, 95.562,
116.791


■ 19, 95.562,


116.791


 9, 95.562, 116.791


 0, 95.562, 116.791


 89, 95.562,
116.791


 89, 95.562,
116.791

 89, 96.863,
117.287

 89, 91.610,
116.127

 90, 85.120,
115.894

 90, 76.490,
116.008

 91, 66.303,
116.365

 92, 55.079,

116.876

■ 92, 43.204,
117.472

■ 93, 30.937,
118.110

■ 94, 18.453,
118.759

■ 95, 5.867, 119.402

Harmonies

Complementary

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



89, 95.562, 116.791



34, 123.553, 307.592

Rectangle

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



89, 95.562, 116.791



89, 95.562, 166.791



89, 95.562, 296.791



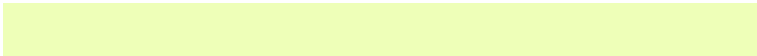
89, 95.562, 346.791

Sweetspot

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



89, 95.562, 116.793



97, 36.549, 117.890



55, 90.867, 44.456



52, 25.161, 117.614



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, 95.562, 116.793



93, 100.712, 117.322



85, 110.251, 133.564



51, 7.218, 119.092



70, 79.399, 117.077



22, 34.066, 116.113

Inverse Universe

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



34, 123.553, 307.592



35, 131.296, 307.523



48, 113.083, 318.627



47, 7.365, 300.313



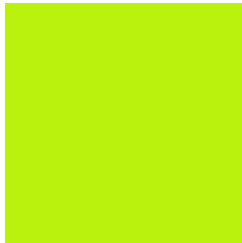
24, 103.429, 307.670



4, 40.651, 305.263

Previews

White Background



This preview shows how the CIE LCh color 89, 95.562, 116.791 looks on a white background.

Color Contrast Check

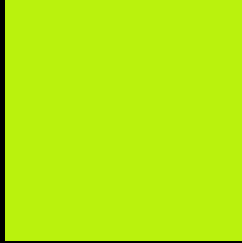
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 89, 95.562, 116.791 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, 95.562, 116.791

Background



This preview shows how black text looks on a background with the CIELCh color 89, 95.562, 116.791.

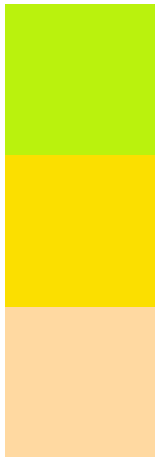


This preview shows how white text looks on a background with the CIELCh color 89, 95.562, 116.791.

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, 95.480, 116.808

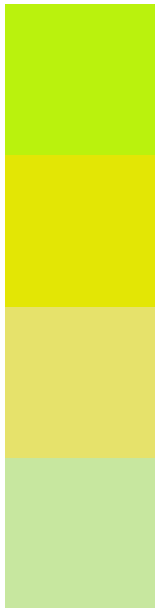
Protanopia
89, 88.475, 94.956

Deuteranopia
89, 33.000, 80.108



Tritanopia
89, 11.057, 257.493

Trichromacy



Original Color
89, 95.480, 116.808

Protanomaly
88, 89.256, 103.706

Deuteranomaly
88, 59.392, 103.594

Tritanomaly
88, 38.973, 125.586

Monochromacy



Original Color
89, 95.480, 116.808

Achromatopsia
80, 0.010, 296.813

Achromatomaly
83, 44.073, 117.464

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 95.562, 116.791 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(186, 242, 13)` looks like.

```
.text, #text, p{  
    color:rgb(186, 242, 13)  
}
```

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(186, 242, 13) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 242, 13) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 95.562, 116.791 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(186, 242, 13) }
```

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

```
.border{ border-color:rgb(186, 242, 13) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 242, 13)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 242, 13); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 242, 13);  
box-shadow:4px 4px 4px 4px rgb(186, 242,  
13) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 95.562, 116.791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 242, 13) }
```

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

```
.background{ background-color: rgb(186,  
242, 13) }
```

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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