

Converting Colors

CIELCh(88, 93.330, 115.714)

Have a look what the booklet for
CIELCh(88, 93.330, 115.714)
contains.

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Color

CIELCh(88, 93.224, 115.736)

Conversions

Conversions Part 1

Format	Color
Hex	BCEE13
RGB	188, 238, 19
RGB Percent	74%, 93%, 7%
CMY	0.2617, 0.0657, 0.9268
CMYK	0.21, 0.00, 0.92, 0.07
HSL	74°, 87%, 50%
HSV	74°, 92%, 93%
XYZ	51.5651, 72.0653, 11.7926
YIQ	198.0840, 40.4990, -78.7090

Conversions

Conversions Part 2

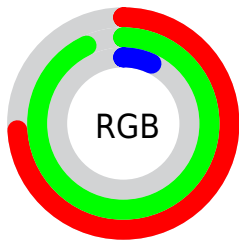
Format	Color
RYB	19, 238, 69
Decimal	12381715
CIELab	88.00, -40.48, 83.98
CIELCh	88, 93.224, 115.736
Yxy	72.0653, 0.3808, 0.5321
Android (android.graphics.Color)	4290571795 (0xFFBCEE13)
YUV	198.0840, -88.2884, -8.8437
Hunter-Lab	84.8913, -40.1342, 51.1877

Details

The CIELCh color **88, 93.224, 115.736** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **34, 120.714, 307.394**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 75.668, 106.581**, and **68, 79.128, 119.435** is the 20% darker color. If you saturate the color by 10%, you get **88, 95.213, 116.396**, and if you desaturate by 10%, it is **88, 88.729, 115.230**.

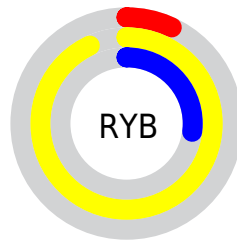
Distribution



Red (74%)

Green (93%)

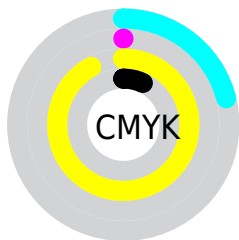
Blue (7%)



Red (7%)

Yellow (93%)

Blue (27%)

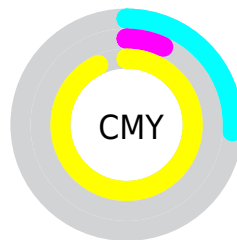


Cyan (21%)

Magenta (0%)

Yellow (92%)

Black (7%)



Cyan (26%)


Magenta (7%)

Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 88, 93.224, 115.736 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 88, 93.224, 115.736 by changing the saturation by 10% instead.


 88, 93.224,
115.736


 88, 93.224,
115.736


 100, 93.224,
115.736


 78, 93.224,
115.736

 68, 93.224,
115.736

 58, 93.224,
115.736

 48, 93.224,
115.736

 38, 93.224,
115.736


 28, 93.224,
115.736


 18, 93.224,


115.736


 8, 93.224, 115.736


 0, 93.224, 115.736


 88, 93.224,
115.736


 88, 93.224,
115.736


 88, 95.213,
116.396

 88, 88.729,
115.230

 89, 81.789,
115.127

 89, 72.875,
115.337

 90, 62.563,
115.761

 91, 51.335,

116.316

■ 91, 39.536,
116.943

■ 92, 27.400,
117.603

■ 93, 15.079,
118.269

■ 94, 2.677, 118.928

Harmonies

Complementary

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



88, 93.224, 115.736



34, 120.714, 307.394

Rectangle

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



88, 93.224, 115.736



88, 93.224, 165.736



88, 93.224, 295.736



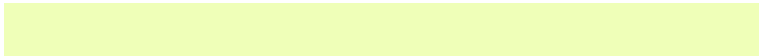
88, 93.224, 345.736

Sweetspot

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



88, 93.224, 115.738



97, 36.464, 117.209



54, 88.423, 43.865



52, 25.101, 116.926



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



88, 93.224, 115.738



93, 100.258, 116.441



83, 107.418, 133.091



50, 7.080, 118.446



69, 78.241, 116.196



21, 32.674, 115.459

Inverse Universe

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



34, 120.714, 307.394



34, 131.594, 307.366



47, 111.034, 318.244



46, 7.225, 299.702



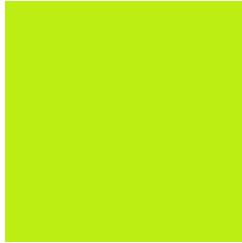
23, 102.603, 307.512



3, 38.492, 304.068

Previews

White Background



This preview shows how the CIELCh color 88, 93.224, 115.736 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 88, 93.224, 115.736 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 88, 93.224, 115.736

Background



This preview shows how black text looks on a background with the CIELCh color 88, 93.224, 115.736.



This preview shows how white text looks on a background with the CIELCh color 88, 93.224, 115.736.

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

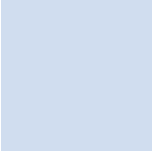
88, 93.112, 115.759

Protanopia

88, 87.414, 95.170

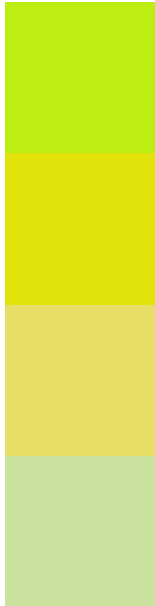
Deuteranopia

88, 36.725, 79.594



Tritanopia
88, 10.308, 265.449

Trichromacy



Original Color
88, 93.112, 115.759

Protanomaly
88, 87.951, 103.194

Deuteranomaly
87, 59.600, 101.495

Tritanomaly
87, 36.441, 123.302

Monochromacy



Original Color
88, 93.112, 115.759

Achromatopsia
80, 0.010, 296.813

Achromatomaly
82, 42.030, 117.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 88, 93.224, 115.736 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(188, 238, 19)` looks like.

```
.text, #text, p{  
    color:rgb(188, 238, 19)  
}
```

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(188, 238, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 238, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 88, 93.224, 115.736 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(188, 238, 19) }
```

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

```
.border{ border-color:rgb(188, 238, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 238, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 238, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 238, 19);  
box-shadow:4px 4px 4px 4px rgb(188, 238,  
19) }
```

Background

The CSS property to change the background color of an element to CIELCh 88, 93.224, 115.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 238, 19) }
```

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

```
.background{ background-color: rgb(188,  
238, 19) }
```

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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