

Converting Colors

CIELCh(87, 93.561, 114.873)

Have a look what the booklet for
CIELCh(87, 93.561, 114.873)
contains.

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Color

CIELCh(87, 93.561, 114.873)

Conversions

Conversions Part 1

Format	Color
Hex	BCEB00
RGB	188, 235, 0
RGB Percent	74%, 92%, 0%
CMY	0.2633, 0.0790, 1.0000
CMYK	0.20, 0.00, 1.00, 0.08
HSL	72°, 100%, 46%
HSV	72°, 100%, 92%
XYZ	50.3672, 70.0064, 10.8433
YIQ	194.1570, 47.4230, -83.0490

Conversions

Conversions Part 2

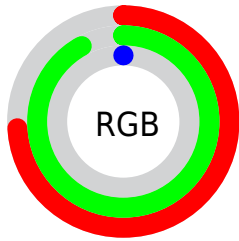
Format	Color
RYB	0, 235, 47
Decimal	12380928
CIELab	87.00, -39.35, 84.88
CIELCh	87, 93.561, 114.873
Yxy	70.0064, 0.3838, 0.5335
Android (android.graphics.Color)	4290571008 (0xFFBCEB00)
YUV	194.1570, -95.7194, -5.3997
Hunter-Lab	83.6698, -38.9695, 50.8851

Details

The CIELCh color **87, 93.561, 114.873** 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 **31, 124.031, 307.159**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.940, 106.354**, and **67, 77.875, 118.832** is the 20% darker color. If you saturate the color by 10%, you get **87, 93.524, 114.882**, and if you desaturate by 10%, it is **87, 90.894, 114.171**.

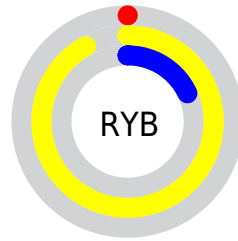
Distribution



Red (74%)

Green (92%)

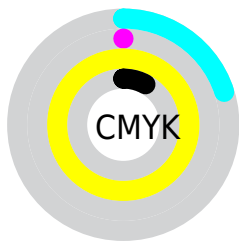
Blue (0%)



Red (0%)

Yellow (92%)

Blue (18%)

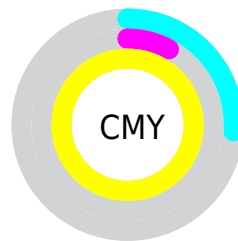


Cyan (20%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (26%)


Magenta (8%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 93.561, 114.873 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 87, 93.561, 114.873 by changing the saturation by 10% instead.


 87, 93.561,
114.873


 87, 93.561,
114.873


 100, 93.561,
114.873


 77, 93.561,
114.873

 67, 93.561,
114.873

 57, 93.561,
114.873

 47, 93.561,
114.873

 37, 93.561,
114.873


 27, 93.561,
114.873


 17, 93.561,


114.873


 7, 93.561, 114.873


 0, 93.561, 114.873

 87, 93.561,
114.873


 87, 93.561,
114.873

 87, 93.524,
114.882

 87, 90.894,
114.171

 88, 85.983,
113.831

 88, 78.722,
113.860

 89, 69.629,
114.166

 89, 59.264,

114.659

■ 90, 48.074,
115.266

■ 90, 36.374,
115.934

■ 91, 24.375,
116.627

■ 92, 12.216,
117.322

Harmonies

Complementary

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



87, 93.561, 114.873



31, 124.031, 307.159

Rectangle

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



87, 93.561, 114.873



87, 93.561, 164.873



87, 93.561, 294.873



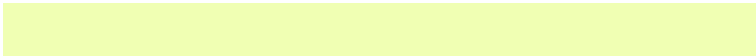
87, 93.561, 344.873

Sweetspot

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



87, 93.524, 114.882



97, 38.879, 115.925



51, 93.716, 43.137



52, 26.440, 115.637



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



87, 93.524, 114.882



94, 99.552, 114.932



82, 108.677, 133.342



49, 6.934, 117.359



69, 76.901, 114.699



20, 31.190, 114.271

Inverse Universe

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



31, 124.031, 307.159



34, 132.052, 307.131



44, 112.618, 317.220



45, 7.079, 298.678



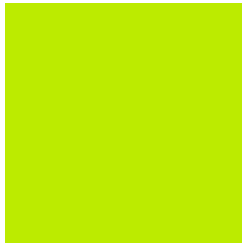
23, 101.901, 307.269



3, 36.242, 302.448

Previews

White Background



This preview shows how the CIELCh color 87, 93.561, 114.873 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 87, 93.561, 114.873 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 87, 93.561, 114.873

Background



This preview shows how black text looks on a background with the CIELCh color 87, 93.561, 114.873.

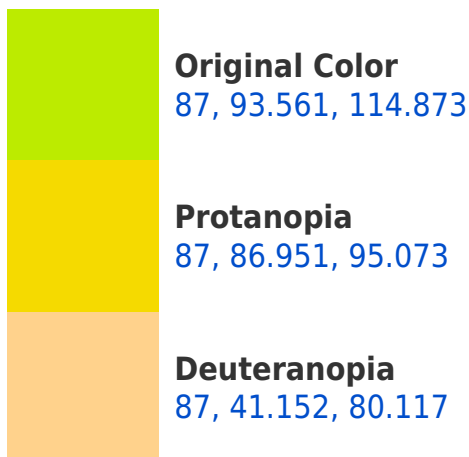


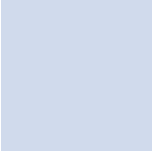
This preview shows how white text looks on a background with the CIELCh color 87, 93.561, 114.873.

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](#).

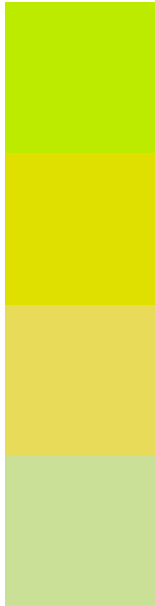
Dichromacy





Tritanopia
87, 9.962, 270.809

Trichromacy



Original Color
87, 93.561, 114.873

Protanomaly
87, 87.869, 102.852

Deuteranomaly
86, 64.503, 100.138

Tritanomaly
86, 39.126, 120.316

Monochromacy



Original Color
87, 93.561, 114.873

Achromatopsia
78, 0.009, 296.813

Achromatomaly
81, 44.926, 115.102

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 93.561, 114.873 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, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 235, 0)  
}
```

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, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 235, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 93.561, 114.873 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, 235, 0) }
```

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

```
.border{ border-color:rgb(188, 235, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 235, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 235,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 93.561, 114.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 235, 0) }
```

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

```
.background{ background-color: rgb(188,  
235, 0) }
```

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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