

Converting Colors

CIELCh(87, 93.925, 115.998)

Have a look what the booklet for
CIELCh(87, 93.925, 115.998)
contains.

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Color

CIELCh(87, 94.041, 116.056)

Conversions

Conversions Part 1

Format	Color
Hex	B8EC03
RGB	184, 236, 3
RGB Percent	72%, 93%, 1%
CMY	0.2795, 0.0755, 0.9879
CMYK	0.22, 0.00, 0.99, 0.08
HSL	73°, 97%, 47%
HSV	73°, 99%, 92%
XYZ	49.6407, 70.0064, 10.9840
YIQ	193.8900, 43.8010, -83.4870

Conversions

Conversions Part 2

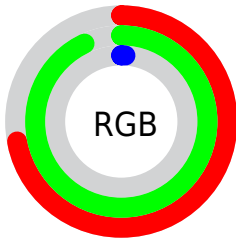
Format	Color
R _Y B	3, 236, 55
Decimal	12119043
CIE Lab	87.00, -41.31, 84.48
CIE LCh	87, 94.041, 116.056
Yxy	70.0064, 0.3800, 0.5359
Android (android.graphics.Color)	4290309123 (0xFFB8EC03)
YUV	193.8900, -94.1088, -8.6735
Hunter-Lab	83.6698, -40.5195, 50.7854

Details

The CIELCh color **87, 94.041, 116.056** 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 **32, 123.353, 307.350**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 77.650, 107.599**, and **67, 78.817, 120.119** is the 20% darker color. If you saturate the color by 10%, you get **87, 94.349, 116.168**, and if you desaturate by 10%, it is **87, 91.116, 115.301**.

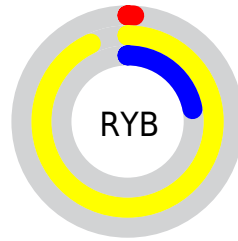
Distribution



Red (72%)

Green (93%)

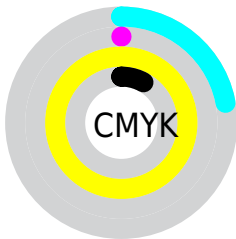
Blue (1%)



Red (1%)

Yellow (93%)

Blue (22%)

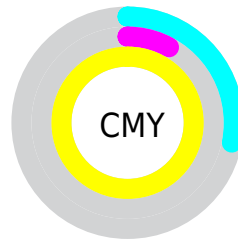


Cyan (22%)

Magenta (0%)

Yellow (99%)

Black (8%)



Cyan (28%)


Magenta (8%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 94.041, 116.056 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, 94.041, 116.056 by changing the saturation by 10% instead.

 87, 94.041,
116.056

 87, 94.041,
116.056


 100, 94.041,
116.056


 77, 94.041,
116.056

 67, 94.041,
116.056

 57, 94.041,
116.056

 47, 94.041,
116.056

 37, 94.041,
116.056


 27, 94.041,
116.056

 17, 94.041,


116.056


 7, 94.041, 116.056


 0, 94.041, 116.056


 87, 94.041,
116.056

 87, 94.041,
116.056

 87, 94.349,
116.168

 87, 91.116,
115.301

 88, 85.787,
114.954

 88, 78.164,
114.981

 89, 68.788,
115.282

 89, 58.208,

115.764

■ 90, 46.854,
116.354

■ 91, 35.026,
117.001

■ 92, 22.923,
117.670

■ 92, 10.677,
118.337

Harmonies

Complementary

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



87, 94.041, 116.056



32, 123.353, 307.350

Rectangle

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



87, 94.041, 116.056



87, 94.041, 166.056



87, 94.041, 296.056



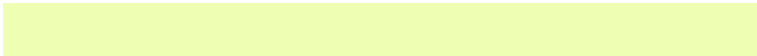
87, 94.041, 346.056

Sweetspot

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



87, 94.041, 116.058



97, 38.998, 116.906



52, 92.412, 43.637



52, 26.522, 116.630



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, 94.041, 116.058



93, 100.148, 116.219



82, 108.943, 133.550



49, 6.952, 118.285



69, 77.346, 115.966



20, 31.329, 115.452

Inverse Universe

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



32, 123.353, 307.350



34, 131.666, 307.329



45, 112.201, 317.838



45, 7.096, 299.548



23, 101.589, 307.480



3, 36.323, 303.029

Previews

White Background



This preview shows how the CIELCh color 87, 94.041, 116.056 looks on a white background.

Color Contrast Check

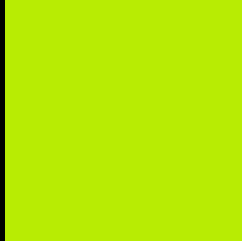
Large Text (above 18pt) WCAG AA × Fail

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 87, 94.041, 116.056 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, 94.041, 116.056

Background



This preview shows how black text looks on a background with the CIELCh color 87, 94.041, 116.056.

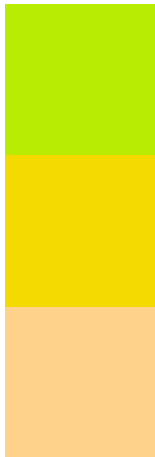


This preview shows how white text looks on a background with the CIELCh color 87, 94.041, 116.056.

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
87, 94.117, 116.040

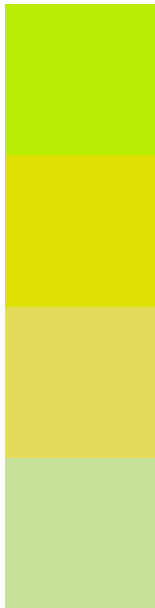
Protanopia
87, 86.951, 95.073

Deuteranopia
87, 41.152, 80.117



Tritanopia
87, 10.615, 262.149

Trichromacy



Original Color
87, 94.117, 116.040

Protanomaly
87, 87.789, 103.139

Deuteranomaly
86, 64.012, 100.906

Tritanomaly
86, 39.142, 123.219

Monochromacy



Original Color
87, 94.117, 116.040

Achromatopsia
78, 0.009, 296.813

Achromatomaly
81, 44.100, 116.390

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 94.041, 116.056 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(184, 236, 3)` looks like.

```
.text, #text, p{  
    color:rgb(184, 236, 3)  
}
```

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(184, 236, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 236, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 94.041, 116.056 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(184, 236, 3) }
```

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

```
.border{ border-color:rgb(184, 236, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 236, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 236, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 236, 3);  
box-shadow:4px 4px 4px 4px rgb(184, 236,  
3) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 94.041, 116.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 236, 3) }
```

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

```
.background{ background-color: rgb(184,  
236, 3) }
```

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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