

Converting Colors

CIELCh(87, 95.079, 116.816)

Have a look what the booklet for
CIELCh(87, 95.079, 116.816)
contains.

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Color

CIELCh(87, 94.664, 116.678)

Conversions

Conversions Part 1

Format	Color
Hex	B5EC01
RGB	181, 236, 1
RGB Percent	71%, 93%, 0%
CMY	0.2891, 0.0734, 0.9960
CMYK	0.23, 0.00, 1.00, 0.07
HSL	74°, 99%, 47%
HSV	74°, 100%, 93%
XYZ	49.2002, 70.0064, 10.9475
YIQ	192.7650, 42.6550, -84.7450

Conversions

Conversions Part 2

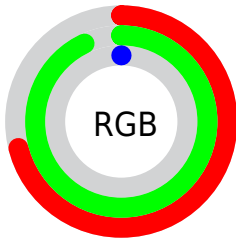
Format	Color
R_{YB}	1, 236, 56
Decimal	11922433
CIE _{Lab}	87.00, -42.50, 84.59
CIE _{LCh}	87, 94.664, 116.678
Yxy	70.0064, 0.3780, 0.5379
Android (android.graphics.Color)	4290112513 (0xFFB5EC01)
YUV	192.7650, -94.5401, -10.3179
Hunter-Lab	83.6698, -41.4591, 50.8113

Details

The CIELCh color **87, 94.664, 116.678** 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, 123.841, 307.451**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.738, 108.500**, and **67, 79.224, 120.907** is the 20% darker color. If you saturate the color by 10%, you get **87, 94.766, 116.717**, and if you desaturate by 10%, it is **87, 91.839, 115.868**.

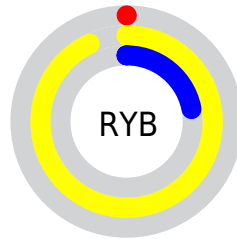
Distribution



Red (71%)

Green (93%)

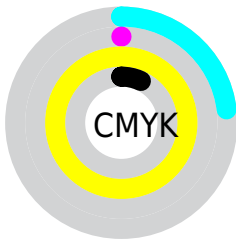
Blue (0%)



Red (0%)

Yellow (93%)

Blue (22%)

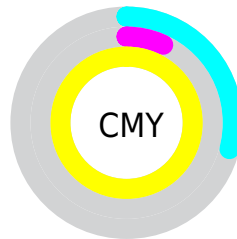


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (29%)

Magenta (7%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 87, 94.664, 116.678 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, 94.664, 116.678 by changing the saturation by 10% instead.

 87, 94.664,
116.678

 87, 94.664,
116.678

 100, 94.664,
116.678

 77, 94.664,
116.678

 67, 94.664,
116.678

 57, 94.664,
116.678

 47, 94.664,
116.678

 37, 94.664,
116.678

 27, 94.664,
116.678

 17, 94.664,

116.678

■ 7, 94.664, 116.678

■ 0, 94.664, 116.678

■ 87, 94.664,
116.678

■ 87, 94.664,
116.678

■ 87, 94.766,
116.717

■ 87, 91.839,
115.868

■ 88, 86.687,
115.459

■ 88, 79.204,
115.438

■ 89, 69.916,
115.704

■ 89, 59.380,

116.162

■ 90, 48.038,
116.734

■ 91, 36.201,
117.366

■ 92, 24.075,
118.023

■ 93, 11.797,
118.679

Harmonies

Complementary

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



87, 94.664, 116.678



32, 123.841, 307.451

Rectangle

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



87, 94.664, 116.678



87, 94.664, 166.678



87, 94.664, 296.678



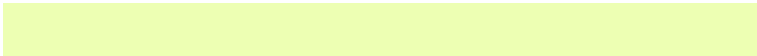
87, 94.664, 346.678

Sweetspot

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



87, 94.664, 116.680



97, 39.053, 117.330



53, 92.500, 44.201



51, 26.560, 117.059



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, 94.664, 116.680



93, 100.422, 116.768



83, 109.799, 133.879



49, 6.961, 118.687



68, 77.551, 116.506



20, 31.394, 115.959

Inverse Universe

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



32, 123.841, 307.451



34, 131.486, 307.423



46, 112.318, 318.328



45, 7.103, 299.925



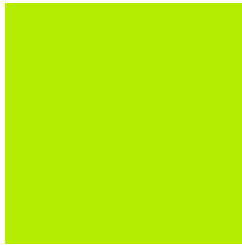
23, 101.445, 307.579



3, 36.362, 303.294

Previews

White Background



This preview shows how the CIELCh color 87, 94.664, 116.678 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, 94.664, 116.678 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, 94.664, 116.678

Background



This preview shows how black text looks on a background with the CIELCh color 87, 94.664, 116.678.



This preview shows how white text looks on a background with the CIELCh color 87, 94.664, 116.678.

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, 94.588, 116.694

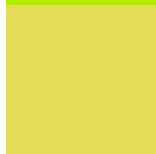
Deuteranopia
87, 41.152, 80.117

Tritanopia
87, 10.674, 255.897

Trichromacy



Original Color
87, 94.588, 116.694

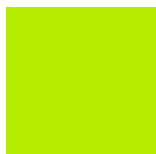


Deuteranomaly
86, 64.774, 101.654



Tritanomaly
86, 40.552, 124.824

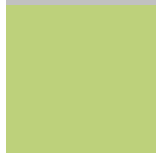
Monochromacy



Original Color
87, 94.588, 116.694



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 45.145, 116.604

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 94.664, 116.678 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(181, 236, 1)` looks like.

```
.text, #text, p{  
    color:rgb(181, 236, 1)  
}
```

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(181, 236, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 236, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 94.664, 116.678 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(181, 236, 1) }
```

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

```
.border{ border-color:rgb(181, 236, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 236, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 236, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 236, 1);  
box-shadow:4px 4px 4px 4px rgb(181, 236,  
1) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 94.664, 116.678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 236, 1) }
```

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

```
.background{ background-color: rgb(181,  
236, 1) }
```

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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