

Converting Colors

CIELCh(87, 90.573, 116.460)

Have a look what the booklet for
CIELCh(87, 90.573, 116.460)
contains.

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Color

CIELCh(87, 90.347, 116.306)

Conversions

Conversions Part 1

Format	Color
Hex	B9EB20
RGB	185, 235, 32
RGB Percent	73%, 92%, 13%
CMY	0.2735, 0.0775, 0.8729
CMYK	0.21, 0.00, 0.86, 0.08
HSL	75°, 84%, 52%
HSV	75°, 86%, 92%
XYZ	50.1114, 70.0064, 12.2671
YIQ	196.9080, 35.3630, -73.7330

Conversions

Conversions Part 2

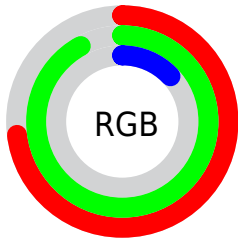
Format	Color
R _Y B	32, 235, 82
Decimal	12184352
CIE Lab	87.00, -40.04, 80.99
CIE LCh	87, 90.347, 116.306
Yxy	70.0064, 0.3785, 0.5288
Android (android.graphics.Color)	4290374432 (0xFFB9EB20)
YUV	196.9080, -81.2996, -10.4433
Hunter-Lab	83.6698, -39.5152, 49.8762

Details

The CIELCh color **87, 90.347, 116.306** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **36, 114.489, 307.478**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 73.769, 107.730**, and **67, 78.264, 119.656** is the 20% darker color. If you saturate the color by 10%, you get **87, 93.865, 117.042**, and if you desaturate by 10%, it is **87, 84.340, 116.013**.

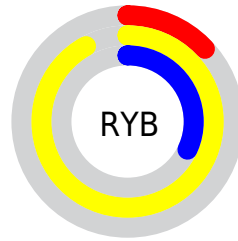
Distribution



Red (73%)

Green (92%)

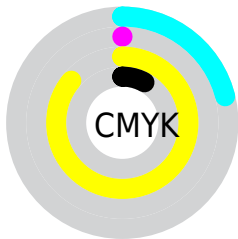
Blue (13%)



Red (13%)

Yellow (92%)

Blue (32%)

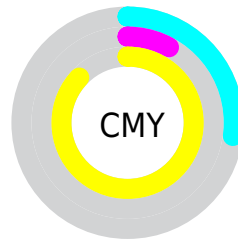


Cyan (21%)

Magenta (0%)

Yellow (86%)

Black (8%)



Cyan (27%)


Magenta (8%)


Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 90.347, 116.306 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, 90.347, 116.306 by changing the saturation by 10% instead.

 87, 90.347,
116.306

 87, 90.347,
116.306

 100, 90.347,
116.306

 77, 90.347,
116.306

 67, 90.347,
116.306

 57, 90.347,
116.306

 47, 90.347,
116.306

 37, 90.347,
116.306


 27, 90.347,
116.306


 17, 90.347,


116.306


 7, 90.347, 116.306

 0, 90.347, 116.306


 87, 90.347,
116.306

 87, 90.347,
116.306


 87, 93.865,
117.042

 87, 84.340,
116.013

 86, 94.784,
117.388

 88, 76.173,
116.080

 89, 66.407,
116.404

 89, 55.565,
116.893

 90, 44.040,

117.477

■ 91, 32.103,
118.108

■ 92, 19.932,
118.753

■ 93, 7.648, 119.393

■ 94, 4.668, 299.999

Harmonies

Complementary

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



87, 90.347, 116.306



36, 114.489, 307.478

Rectangle

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



87, 90.347, 116.306



87, 90.347, 166.306



87, 90.347, 296.306



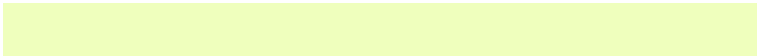
87, 90.347, 346.306

Sweetspot

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



87, 90.347, 116.308



97, 33.987, 118.115



56, 81.433, 44.595



52, 22.994, 117.892



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, 90.347, 116.308



93, 100.777, 117.445



83, 103.688, 133.135



49, 6.972, 119.187



68, 77.815, 117.173



20, 31.478, 116.586

Inverse Universe

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



36, 114.489, 307.478



35, 131.252, 307.547



48, 106.847, 319.043



45, 7.113, 300.396



23, 101.258, 307.710



3, 36.412, 303.635

Previews

White Background



This preview shows how the CIELCh color 87, 90.347, 116.306 looks on a white background.

Color Contrast Check

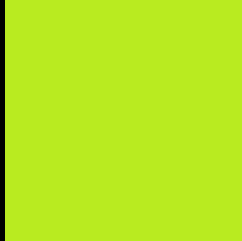
Large Text (above 18pt) WCAG AA × Fail

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, 90.347, 116.306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

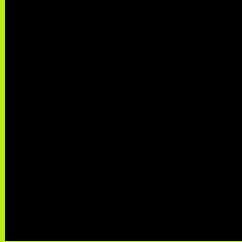
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 87, 90.347, 116.306

Background



This preview shows how black text looks on a background with the CIELCh color 87, 90.347, 116.306.



This preview shows how white text looks on a background with the CIELCh color 87, 90.347, 116.306.

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, 90.347, 116.306

Protanopia

87, 83.997, 95.054

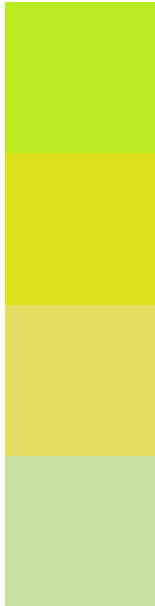
Deuteranopia

87, 41.152, 80.117



Tritanopia
87, 10.008, 262.324

Trichromacy



Original Color
87, 90.347, 116.306

Protanomaly
87, 84.633, 103.397

Deuteranomaly
86, 59.295, 100.627

Tritanomaly
86, 34.193, 125.157

Monochromacy



Original Color
87, 90.347, 116.306

Achromatopsia
80, 0.010, 296.813

Achromatomaly
82, 39.067, 117.426

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 90.347, 116.306 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(185, 235, 32)` looks like.

```
.text, #text, p{  
    color:rgb(185, 235, 32)  
}
```

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(185, 235, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 235, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 90.347, 116.306 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(185, 235, 32) }
```

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

```
.border{ border-color:rgb(185, 235, 32) }
```

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

Here you see how a box with a 4 pixel rgb(185, 235, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 235, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 235, 32);  
box-shadow:4px 4px 4px 4px rgb(185, 235,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 90.347, 116.306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 235, 32) }
```

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

```
.background{ background-color: rgb(185,  
235, 32) }
```

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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