

Converting Colors

CIELCh(87, 91.666, 116.002)

Have a look what the booklet for
CIELCh(87, 91.666, 116.002)
contains.

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Color

CIELCh(87, 91.605, 116.041)

Conversions

Conversions Part 1

Format	Color
Hex	B9EB19
RGB	185, 235, 25
RGB Percent	73%, 92%, 10%
CMY	0.2733, 0.0773, 0.9034
CMYK	0.21, 0.00, 0.90, 0.08
HSL	74°, 84%, 51%
HSV	74°, 90%, 92%
XYZ	50.0455, 70.0064, 11.7730
YIQ	196.1100, 37.6100, -75.9100

Conversions

Conversions Part 2

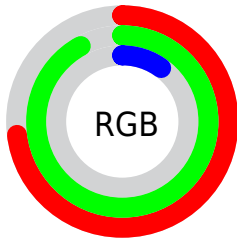
Format	Color
R _Y B	25, 235, 75
Decimal	12184345
CIE Lab	87.00, -40.22, 82.31
CIE LCh	87, 91.605, 116.041
Yxy	70.0064, 0.3796, 0.5311
Android (android.graphics.Color)	4290374425 (0xFFB9EB19)
YUV	196.1100, -84.3572, -9.7435
Hunter-Lab	83.6698, -39.6559, 50.2263

Details

The CIELCh color **87, 91.605, 116.041** 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, 117.471, 307.461**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 74.951, 107.596**, and **67, 78.264, 119.656** is the 20% darker color. If you saturate the color by 10%, you get **87, 94.447, 116.862**, and if you desaturate by 10%, it is **87, 86.442, 115.628**.

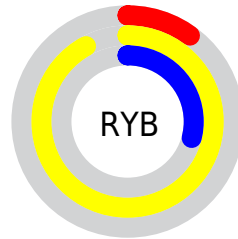
Distribution



Red (73%)

Green (92%)

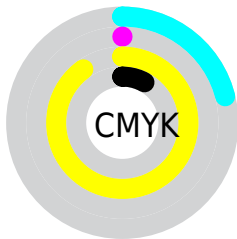
Blue (10%)



Red (10%)

Yellow (92%)

Blue (29%)

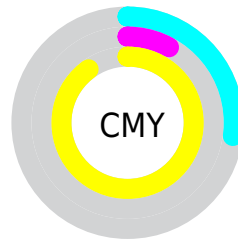


Cyan (21%)

Magenta (0%)

Yellow (90%)

Black (8%)



Cyan (27%)


Magenta (8%)


Yellow (90%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 91.605, 116.041 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, 91.605, 116.041 by changing the saturation by 10% instead.


 87, 91.605,
116.041


 87, 91.605,
116.041


 100, 91.605,
116.041


 77, 91.605,
116.041

 67, 91.605,
116.041

 57, 91.605,
116.041

 47, 91.605,
116.041

 37, 91.605,
116.041

 27, 91.605,
116.041

 17, 91.605,

116.041

■ 7, 91.605, 116.041

■ 0, 91.605, 116.041

■ 87, 91.605,
116.041

■ 87, 91.605,
116.041

■ 87, 94.447,
116.862

■ 87, 86.442,
115.628

■ 87, 94.560,
116.903

■ 88, 78.961,
115.602

■ 88, 69.686,
115.865

■ 89, 59.171,
116.319

■ 90, 47.856,

116.888

■ 90, 36.049,
117.516

■ 91, 23.956,
118.169

■ 92, 11.713,
118.822

■ 93, 0.588, 299.406

Harmonies

Complementary

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



87, 91.605, 116.041



34, 117.471, 307.461

Rectangle

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



87, 91.605, 116.041



87, 91.605, 166.041



87, 91.605, 296.041



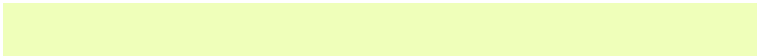
87, 91.605, 346.041

Sweetspot

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



87, 91.605, 116.043



97, 35.230, 117.673



55, 84.570, 44.633



52, 23.689, 117.451



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, 91.605, 116.043



93, 100.520, 116.958



83, 105.543, 133.262



49, 6.964, 118.826



68, 77.623, 116.693



20, 31.417, 116.135

Inverse Universe

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



34, 117.471, 307.461



34, 131.422, 307.456



47, 108.584, 318.909



45, 7.106, 300.057



23, 101.394, 307.615



3, 36.375, 303.388

Previews

White Background



This preview shows how the CIELCh color 87, 91.605, 116.041 looks on a white background.

Color Contrast Check

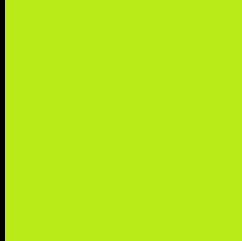
Large Text (above 18pt) WCAG AA × Fail

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, 91.605, 116.041 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, 91.605, 116.041

Background



This preview shows how black text looks on a background with the CIELCh color 87, 91.605, 116.041.



This preview shows how white text looks on a background with the CIELCh color 87, 91.605, 116.041.

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, 91.464, 116.070

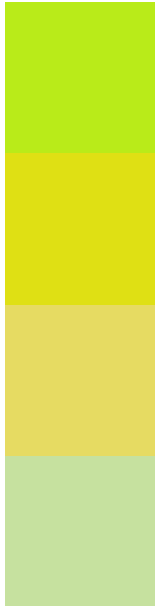
Protanopia
87, 85.416, 95.065

Deuteranopia
87, 41.152, 80.117



Tritanopia
87, 10.008, 262.324

Trichromacy



Original Color
87, 91.464, 116.070

Protanomaly
87, 85.999, 103.285

Deuteranomaly
86, 60.616, 100.603

Tritanomaly
86, 35.644, 124.356

Monochromacy



Original Color
87, 91.464, 116.070

Achromatopsia
79, 0.010, 296.813

Achromatomaly
81, 40.082, 117.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 87, 91.605, 116.041 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, 25)` looks like.

```
.text, #text, p{  
    color:rgb(185, 235, 25)  
}
```

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, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 235, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 87, 91.605, 116.041 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, 25) }
```

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

```
.border{ border-color:rgb(185, 235, 25) }
```

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, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 235, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 235, 25);  
box-shadow:4px 4px 4px 4px rgb(185, 235,  
25) }
```

Background

The CSS property to change the background color of an element to CIELCh 87, 91.605, 116.041 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, 25) }
```

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

```
.background{ background-color: rgb(185,  
235, 25) }
```

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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