

Converting Colors

CIELCh(85, 90.910, 115.274)

Have a look what the booklet for
CIELCh(85, 90.910, 115.274)
contains.

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Color

CIELCh(85, 90.907, 115.342)

Conversions

Conversions Part 1

Format	Color
Hex	B6E50C
RGB	182, 229, 12
RGB Percent	71%, 90%, 5%
CMY	0.2863, 0.1020, 0.9529
CMYK	0.21, 0.00, 0.95, 0.10
HSL	73°, 90%, 47%
HSV	73°, 95%, 90%
XYZ	47.3744, 66.0070, 10.5910
YIQ	190.2090, 41.6450, -77.4510

Conversions

Conversions Part 2

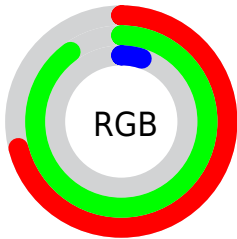
Format	Color
RYB	12, 229, 59
Decimal	11986188
CIELab	85.00, -38.91, 82.16
CIElCh	85, 90.907, 115.342
Yxy	66.0070, 0.3821, 0.5324
Android (android.graphics.Color)	4290176268 (0xFFB6E50C)
YUV	190.2090, -87.8570, -7.1993
Hunter-Lab	81.2447, -38.0936, 49.1423

Details

The CIELCh color **85, 90.907, 115.342** 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, 118.756, 307.287**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 77.332, 108.245**, and **65, 76.133, 119.275** is the 20% darker color. If you saturate the color by 10%, you get **85, 92.129, 115.771**, and if you desaturate by 10%, it is **85, 87.187, 114.764**.

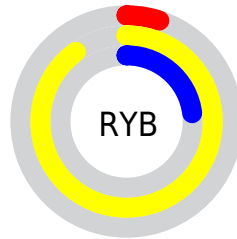
Distribution



Red (71%)

Green (90%)

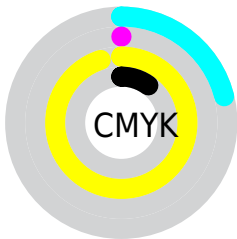
Blue (5%)



Red (5%)

Yellow (90%)

Blue (23%)

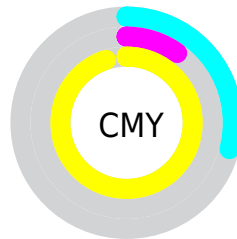


Cyan (21%)

Magenta (0%)

Yellow (95%)

Black (10%)



Cyan (29%)


Magenta (10%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 90.907, 115.342 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 85, 90.907, 115.342 by changing the saturation by 10% instead.


 85, 90.907,
115.342


 85, 90.907,
115.342


 100, 90.907,
115.342


 75, 90.907,
115.342

 65, 90.907,
115.342

 55, 90.907,
115.342

 45, 90.907,
115.342

 35, 90.907,
115.342

 25, 90.907,
115.342

 15, 90.907,

115.342

■ 5, 90.907, 115.342

■ 0, 90.907, 115.342

■ 85, 90.907,
115.342

■ 85, 90.907,
115.342

■ 85, 92.129,
115.771

■ 85, 87.187,
114.764

■ 86, 81.041,
114.595

■ 86, 72.853,
114.756

■ 87, 63.179,
115.149

■ 87, 52.514,

115.689

■ 88, 41.224,
116.314

■ 89, 29.558,
116.979

■ 90, 17.680,
117.656

■ 90, 5.700, 118.326

Harmonies

Complementary

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



85, 90.907, 115.342



31, 118.756, 307.287

Rectangle

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



85, 90.907, 115.342



85, 90.907, 165.342



85, 90.907, 295.342



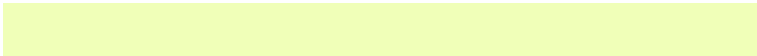
85, 90.907, 345.342

Sweetspot

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



85, 90.907, 115.344



97, 36.411, 116.750



51, 88.295, 43.174



52, 25.063, 116.461



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 90.907, 115.344



93, 99.966, 115.841



81, 104.795, 132.936



48, 6.822, 118.012



68, 76.397, 115.581



19, 29.927, 115.349

Inverse Universe

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



31, 118.756, 307.287



34, 131.785, 307.267



44, 108.886, 317.577



44, 6.964, 299.288



23, 100.609, 307.422



3, 34.164, 301.929

Previews

White Background



This preview shows how the CIELCh color 85, 90.907, 115.342 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 85, 90.907, 115.342 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 85, 90.907, 115.342

Background



This preview shows how black text looks on a background with the CIELCh color 85, 90.907, 115.342.

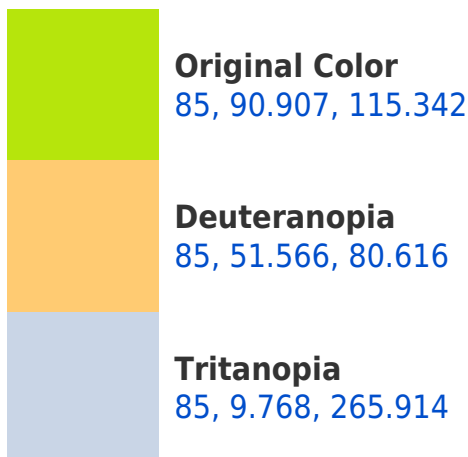


This preview shows how white text looks on a background with the CIELCh color 85, 90.907, 115.342.

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](#).

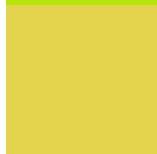
Dichromacy



Trichromacy



Original Color
85, 90.907, 115.342



Deuteranomaly
84, 66.773, 98.442

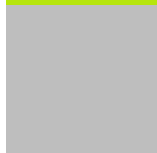


Tritanomaly
84, 36.555, 122.678

Monochromacy



Original Color
85, 90.907, 115.342



Achromatopsia
77, 0.009, 296.813



Achromatomaly
79, 41.665, 116.015

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 90.907, 115.342 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(182, 229, 12)` looks like.

```
.text, #text, p{  
    color:rgb(182, 229, 12)  
}
```

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(182, 229, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 229, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 90.907, 115.342 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(182, 229, 12) }
```

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

```
.border{ border-color:rgb(182, 229, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 229, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 229, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 229, 12);  
box-shadow:4px 4px 4px 4px rgb(182, 229,  
12) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 90.907, 115.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 229, 12) }
```

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

```
.background{ background-color: rgb(182,  
229, 12) }
```

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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