

Converting Colors

CIELCh(84, 91.977, 116.816)

Have a look what the booklet for
CIELCh(84, 91.977, 116.816)
contains.

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Color

CIELCh(84, 91.845, 116.691)

Conversions

Conversions Part 1

Format	Color
Hex	AEE302
RGB	174, 227, 2
RGB Percent	68%, 89%, 1%
CMY	0.3169, 0.1090, 0.9934
CMYK	0.23, 0.00, 0.99, 0.11
HSL	74°, 99%, 45%
HSV	74°, 99%, 89%
XYZ	45.0283, 64.0658, 10.0400
YIQ	185.5030, 40.6370, -81.2110

Conversions

Conversions Part 2

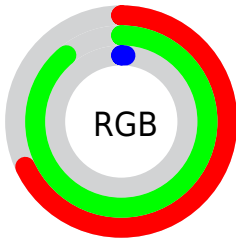
Format	Color
R_{YB}	2, 227, 55
Decimal	11461378
CIE _{Lab}	84.00, -41.25, 82.06
CIE _{LCh}	84, 91.845, 116.691
Yxy	64.0658, 0.3780, 0.5378
Android (android.graphics.Color)	4289651458 (0xFFAEE302)
YUV	185.5030, -90.4670, -10.0881
Hunter-Lab	80.0411, -39.6540, 48.5917

Details

The CIELCh color **84, 91.845, 116.691** 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 **30, 120.016, 307.476**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 78.763, 110.469**, and **64, 76.367, 121.095** is the 20% darker color. If you saturate the color by 10%, you get **84, 92.023, 116.756**, and if you desaturate by 10%, it is **84, 88.993, 115.900**.

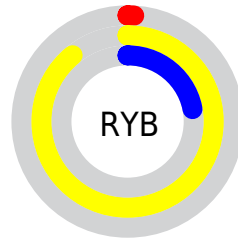
Distribution



Red (68%)

Green (89%)

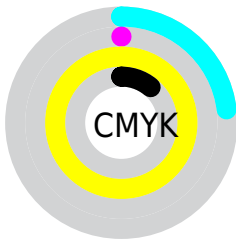
Blue (1%)



Red (1%)

Yellow (89%)

Blue (22%)

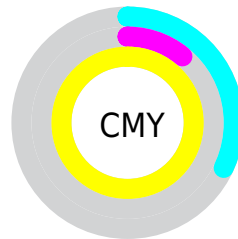


Cyan (23%)

Magenta (0%)

Yellow (99%)

Black (11%)



Cyan (32%)


Magenta (11%)


Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 84, 91.845, 116.691 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 84, 91.845, 116.691 by changing the saturation by 10% instead.


 84, 91.845,
116.691


 84, 91.845,
116.691


 100, 91.845,
116.691


 74, 91.845,
116.691

 64, 91.845,
116.691

 54, 91.845,
116.691

 44, 91.845,
116.691

 34, 91.845,
116.691

 24, 91.845,
116.691

 14, 91.845,

116.691

■ 4, 91.845, 116.691

■ 0, 91.845, 116.691

■ 84, 91.845,
116.691

■ 84, 91.845,
116.691

■ 84, 92.023,
116.756

■ 84, 88.993,
115.900

■ 85, 83.877,
115.510

■ 85, 76.528,
115.502

■ 86, 67.461,
115.777

■ 86, 57.210,

116.238

■ 87, 46.196,
116.811

■ 88, 34.712,
117.443

■ 89, 22.956,
118.097

■ 89, 11.058,
118.750

Harmonies

Complementary

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



84, 91.845, 116.691



30, 120.016, 307.476

Rectangle

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



84, 91.845, 116.691



84, 91.845, 166.691



84, 91.845, 296.691



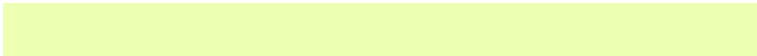
84, 91.845, 346.691

Sweetspot

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



84, 91.845, 116.693



97, 39.060, 117.382



51, 89.506, 44.258



51, 26.565, 117.111



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



84, 91.845, 116.693



93, 100.457, 116.835



80, 106.460, 133.837



48, 6.838, 118.737



68, 76.759, 116.560



19, 30.038, 116.270

Inverse Universe

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



30, 120.016, 307.476



34, 131.464, 307.434



44, 108.939, 318.365



44, 6.977, 299.970



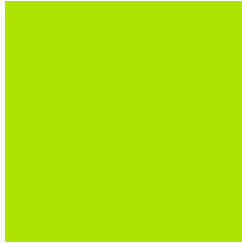
23, 100.354, 307.600



3, 34.223, 302.396

Previews

White Background



This preview shows how the CIELCh color 84, 91.845, 116.691 looks on a white background.

Color Contrast Check

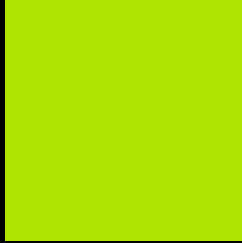
Large Text (above 18pt) WCAG AA × Fail

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 84, 91.845, 116.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

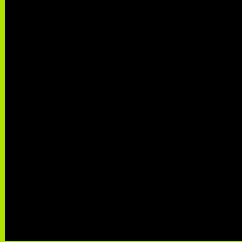
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 84, 91.845, 116.691

Background



This preview shows how black text looks on a background with the CIELCh color 84, 91.845, 116.691.



This preview shows how white text looks on a background with the CIELCh color 84, 91.845, 116.691.

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

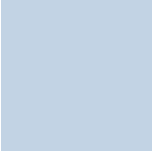
84, 91.764, 116.708

Protanopia

84, 84.314, 94.762

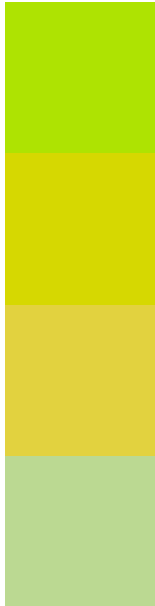
Deuteranopia

84, 58.047, 81.259



Tritanopia
84, 10.569, 257.500

Trichromacy



Original Color
84, 91.764, 116.708

Protanomaly
84, 85.420, 103.440

Deuteranomaly
83, 71.219, 98.346

Tritanomaly
83, 38.659, 124.696

Monochromacy



Original Color
84, 91.764, 116.708

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 43.377, 116.595

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 91.845, 116.691 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(174, 227, 2)` looks like.

```
.text, #text, p{  
    color:rgb(174, 227, 2)  
}
```

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(174, 227, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 227, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 91.845, 116.691 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(174, 227, 2) }
```

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

```
.border{ border-color:rgb(174, 227, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 227, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 227, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 227, 2);  
box-shadow:4px 4px 4px 4px rgb(174, 227,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 91.845, 116.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 227, 2) }
```

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

```
.background{ background-color: rgb(174,  
227, 2) }
```

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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