

Converting Colors

CIELCh(85, 84.317, 113.026)

Have a look what the booklet for
CIELCh(85, 84.317, 113.026)
contains.

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Color

CIELCh(85, 84.245, 113.039)

Conversions

Conversions Part 1

Format	Color
Hex	C0E22A
RGB	192, 226, 42
RGB Percent	75%, 89%, 16%
CMY	0.2456, 0.1123, 0.8372
CMYK	0.15, 0.00, 0.82, 0.11
HSL	71°, 76%, 53%
HSV	71°, 82%, 89%
XYZ	49.5360, 66.0070, 12.2735
YIQ	194.8580, 38.8000, -64.4320

Conversions

Conversions Part 2

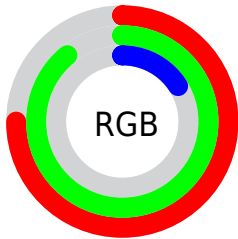
Format	Color
R _Y B	42, 226, 76
Decimal	12640810
CIE Lab	85.00, -32.97, 77.53
CIE LCh	85, 84.245, 113.039
Yxy	66.0070, 0.3876, 0.5164
Android (android.graphics.Color)	4290830890 (0xFFC0E22A)
YUV	194.8580, -75.3590, -2.5065
Hunter-Lab	81.2447, -33.3443, 47.9144

Details

The CIELCh color **85, 84.245, 113.039** is a light color, and the websafe version is hex **99CC00**. The color can be described as light washed yellow. A complement of this color would be **35, 107.356, 306.258**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 71.648, 105.684**, and **65, 73.990, 115.530** is the 20% darker color. If you saturate the color by 10%, you get **85, 88.596, 113.393**, and if you desaturate by 10%, it is **85, 77.558, 113.055**.

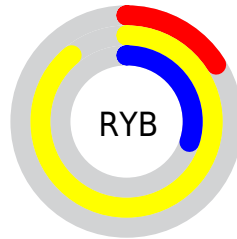
Distribution



Red (75%)

Green (89%)

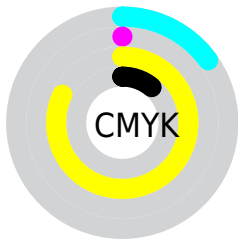
Blue (16%)



Red (16%)

Yellow (89%)

Blue (30%)

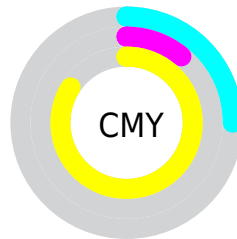


Cyan (15%)

Magenta (0%)

Yellow (82%)

Black (11%)



Cyan (25%)


Magenta (11%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 84.245, 113.039 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, 84.245, 113.039 by changing the saturation by 10% instead.


 85, 84.245,
113.039


 85, 84.245,
113.039


 100, 84.245,
113.039


 75, 84.245,
113.039

 65, 84.245,
113.039

 55, 84.245,
113.039

 45, 84.245,
113.039

 35, 84.245,
113.039

 25, 84.245,
113.039

 15, 84.245,

113.039

■ 5, 84.245, 113.039

■ 0, 84.245, 113.039

■ 85, 84.245,
113.039

■ 85, 84.245,
113.039

■ 85, 88.596,
113.393

■ 85, 77.558,
113.055

■ 84, 90.603,
113.948

■ 86, 69.006,
113.352

■ 86, 59.138,
113.843

■ 87, 48.410,
114.455

■ 88, 37.145,

115.134

■ 88, 25.561,
115.843

■ 89, 13.802,
116.557

■ 90, 1.962, 117.260

■ 91, 9.895, 297.934

Harmonies

Complementary

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



85, 84.245, 113.039



35, 107.356, 306.258

Rectangle

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



85, 84.245, 113.039



85, 84.245, 163.039



85, 84.245, 293.039



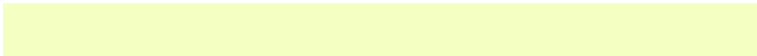
85, 84.245, 343.039

Sweetspot

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



85, 84.245, 113.041



98, 31.155, 115.665



53, 76.316, 41.683



52, 21.361, 115.410



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, 84.245, 113.041



94, 98.737, 113.868



80, 96.405, 131.912



47, 6.674, 116.714



67, 75.002, 113.777



18, 28.352, 113.963

Inverse Universe

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



35, 107.356, 306.258



34, 131.312, 306.984



46, 101.258, 317.649



43, 6.815, 298.067



22, 99.941, 307.150



2, 31.972, 300.262

Previews

White Background



This preview shows how the CIELCh color 85, 84.245, 113.039 looks on a white background.

Color Contrast Check

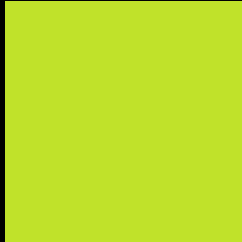
Large Text (above 18pt) WCAG AA × Fail

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, 84.245, 113.039 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, 84.245, 113.039

Background



This preview shows how black text looks on a background with the CIELCh color 85, 84.245, 113.039.



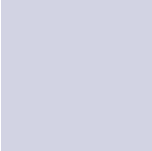
This preview shows how white text looks on a background with the CIELCh color 85, 84.245, 113.039.

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](#).

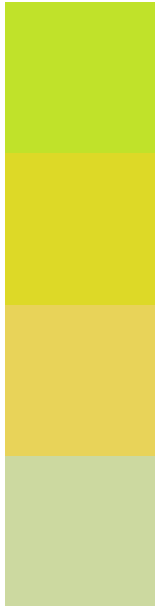
Dichromacy





Tritanopia
85, 8.427, 288.521

Trichromacy



Original Color
85, 84.013, 113.082

Protanomaly
85, 80.352, 102.060

Deuteranomaly
84, 61.757, 96.430

Tritanomaly
84, 30.045, 117.356

Monochromacy



Original Color
85, 84.013, 113.082

Achromatopsia
79, 0.010, 296.813

Achromatomaly
80, 35.305, 114.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 84.245, 113.039 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(192, 226, 42)` looks like.

```
.text, #text, p{  
    color:rgb(192, 226, 42)  
}
```

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(192, 226, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 226, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 84.245, 113.039 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(192, 226, 42) }
```

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

```
.border{ border-color:rgb(192, 226, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 226, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 226, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 226, 42);  
box-shadow:4px 4px 4px 4px rgb(192, 226,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 84.245, 113.039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 226, 42) }
```

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

```
.background{ background-color: rgb(192,  
226, 42) }
```

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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