

Converting Colors

CIELCh(86, 96.843, 120.106)

Have a look what the booklet for
CIELCh(86, 96.843, 120.106)
contains.

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Color

CIELCh(86, 96.559, 120.145)

Conversions

Conversions Part 1

Format	Color
Hex	A5EC00
RGB	165, 236, 0
RGB Percent	65%, 93%, 0%
CMY	0.3530, 0.0745, 0.9999
CMYK	0.30, 0.00, 1.00, 0.07
HSL	78°, 100%, 46%
HSV	78°, 100%, 93%
XYZ	45.5099, 67.9871, 10.7238
YIQ	187.8670, 33.4400, -88.4480

Conversions

Conversions Part 2

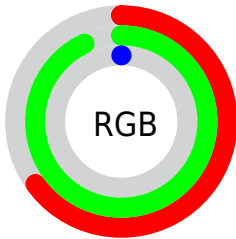
Format	Color
RYB	0, 236, 71
Decimal	10873856
CIELab	86.00, -48.49, 83.50
CIELCh	86, 96.559, 120.145
Yxy	67.9871, 0.3664, 0.5473
Android (android.graphics.Color)	4289063936 (0xFFA5EC00)
YUV	187.8670, -92.6184, -20.0544
Hunter-Lab	82.4543, -45.7736, 50.0069

Details

The CIELCh color **86, 96.559, 120.145** 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 **33, 122.669, 308.199**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.923, 113.126**, and **66, 81.545, 124.764** is the 20% darker color. If you saturate the color by 10%, you get **86, 96.561, 120.147**, and if you desaturate by 10%, it is **86, 93.511, 119.157**.

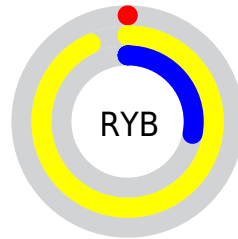
Distribution



Red (65%)

Green (93%)

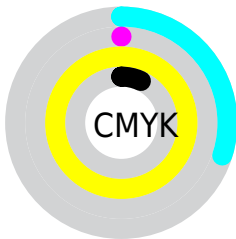
Blue (0%)



Red (0%)

Yellow (93%)

Blue (28%)

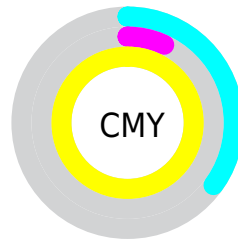


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (35%)


Magenta (7%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 86, 96.559, 120.145 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 86, 96.559, 120.145 by changing the saturation by 10% instead.


 86, 96.559,
120.145


 86, 96.559,
120.145


 100, 96.559,
120.145


 76, 96.559,
120.145

 66, 96.559,
120.145

 56, 96.559,
120.145

 46, 96.559,
120.145

 36, 96.559,
120.145


 26, 96.559,
120.145


 16, 96.559,


120.145


 6, 96.559, 120.145


 0, 96.559, 120.145


 86, 96.559,
120.145


 86, 96.559,
120.145

 86, 96.561,
120.147

 86, 93.511,
119.157

 87, 88.209,
118.593

 87, 80.591,
118.455

 88, 71.171,
118.632

 89, 60.503,

119.014

■ 90, 49.029,
119.519

■ 90, 37.062,
120.086

■ 91, 24.812,
120.678

■ 92, 12.419,
121.269

Harmonies

Complementary

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



86, 96.559, 120.145



33, 122.669, 308.199

Rectangle

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



86, 96.559, 120.145



86, 96.559, 170.145



86, 96.559, 300.145



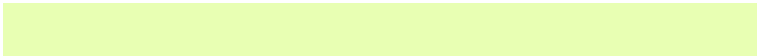
86, 96.559, 350.145

Sweetspot

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



86, 96.559, 120.147



97, 39.471, 120.079



54, 89.678, 46.916



51, 26.852, 119.834



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



86, 96.559, 120.147



92, 102.428, 120.209



82, 111.113, 134.795



49, 7.027, 121.300



68, 79.049, 119.901



20, 31.878, 119.175

Inverse Universe

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



33, 122.669, 308.199



36, 130.141, 308.162



48, 111.116, 320.596



45, 7.161, 302.396



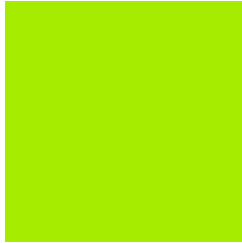
24, 100.381, 308.351



3, 36.658, 305.200

Previews

White Background



This preview shows how the CIE LCh color 86, 96.559, 120.145 looks on a white background.

Color Contrast Check

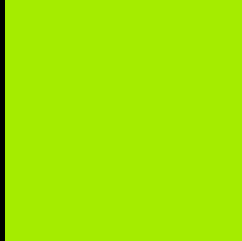
Large Text (above 18pt) WCAG AA × Fail

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 86, 96.559, 120.145 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 86, 96.559, 120.145

Background



This preview shows how black text looks on a background with the CIELCh color 86, 96.559, 120.145.

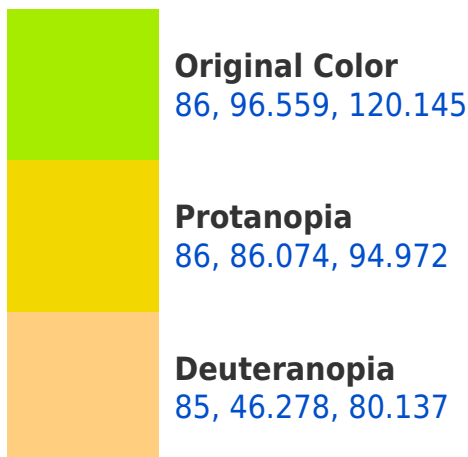


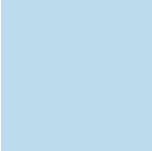
This preview shows how white text looks on a background with the CIELCh color 86, 96.559, 120.145.

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](#).

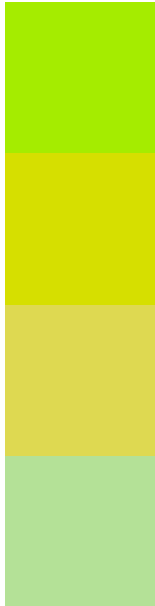
Dichromacy





Tritanopia
86, 13.799, 242.327

Trichromacy



Original Color
86, 96.559, 120.145

Protanomaly
86, 87.692, 105.376

Deuteranomaly
85, 66.774, 102.595

Tritanomaly
85, 41.994, 131.233

Monochromacy



Original Color
86, 96.559, 120.145

Achromatopsia
76, 0.009, 296.813

Achromatomaly
79, 45.231, 119.178

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 86, 96.559, 120.145 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(165, 236, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 236, 0)  
}
```

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(165, 236, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 236, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 86, 96.559, 120.145 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(165, 236, 0) }
```

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

```
.border{ border-color:rgb(165, 236, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 236, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 236, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 236, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 236,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 86, 96.559, 120.145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 236, 0) }
```

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

```
.background{ background-color: rgb(165,  
236, 0) }
```

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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