

Converting Colors

CIELCh(85, 95.596, 120.589)

Have a look what the booklet for
CIELCh(85, 95.596, 120.589)
contains.

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Color

CIELCh(85, 95.563, 120.606)

Conversions

Conversions Part 1

Format	Color
Hex	A1E905
RGB	161, 233, 5
RGB Percent	63%, 91%, 2%
CMY	0.3678, 0.0854, 0.9813
CMYK	0.31, 0.00, 0.98, 0.09
HSL	79°, 96%, 47%
HSV	79°, 98%, 91%
XYZ	43.9663, 66.0070, 10.5596
YIQ	185.4800, 30.2760, -86.1720

Conversions

Conversions Part 2

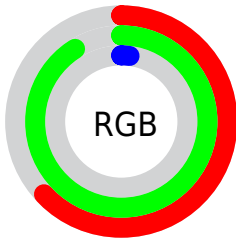
Format	Color
RYB	5, 233, 77
Decimal	10610949
CIELab	85.00, -48.65, 82.25
CIELCh	85, 95.563, 120.606
Yxy	66.0070, 0.3648, 0.5476
Android (android.graphics.Color)	4288801029 (0xFFA1E905)
YUV	185.4800, -88.9766, -21.4690
Hunter-Lab	81.2447, -45.5814, 49.1652

Details

The CIELCh color **85, 95.563, 120.606** 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, 120.244, 308.438**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 78.845, 114.328**, and **65, 80.859, 125.243** is the 20% darker color. If you saturate the color by 10%, you get **85, 96.123, 120.825**, and if you desaturate by 10%, it is **85, 92.137, 119.654**.

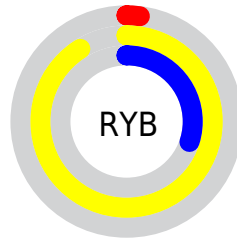
Distribution



Red (63%)

Green (91%)

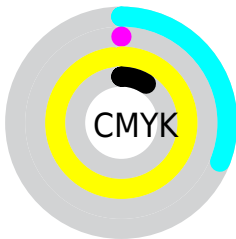
Blue (2%)



Red (2%)

Yellow (91%)

Blue (30%)

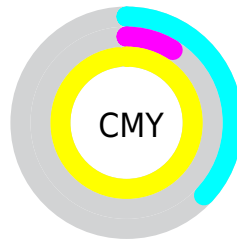


Cyan (31%)

Magenta (0%)

Yellow (98%)

Black (9%)



Cyan (37%)


Magenta (9%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 95.563, 120.606 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, 95.563, 120.606 by changing the saturation by 10% instead.


 85, 95.563,
120.606


 85, 95.563,
120.606


 100, 95.563,
120.606


 75, 95.563,
120.606

 65, 95.563,
120.606

 55, 95.563,
120.606

 45, 95.563,
120.606

 35, 95.563,
120.606

 25, 95.563,
120.606

 15, 95.563,

120.606

■ 5, 95.563, 120.606

■ 0, 95.563, 120.606

■ 85, 95.563,
120.606

■ 85, 95.563,
120.606

■ 85, 96.123,
120.825

■ 85, 92.137,
119.654

■ 86, 86.320,
119.166

■ 87, 78.305,
119.087

■ 87, 68.629,
119.302

■ 88, 57.824,

119.704

■ 89, 46.298,
120.214

■ 90, 34.337,
120.777

■ 91, 22.132,
121.358

■ 92, 9.811, 121.935

Harmonies

Complementary

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



85, 95.563, 120.606



33, 120.244, 308.438

Rectangle

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



85, 95.563, 120.606



85, 95.563, 170.606



85, 95.563, 300.606



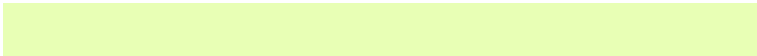
85, 95.563, 350.606

Sweetspot

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



85, 95.563, 120.607



97, 38.275, 120.709



54, 87.438, 47.148



51, 26.192, 120.465



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, 95.563, 120.607



92, 102.892, 120.898



81, 109.495, 134.719



49, 7.043, 121.848



68, 79.396, 120.582



20, 31.993, 119.829

Inverse Universe

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



33, 120.244, 308.438



36, 129.822, 308.347



48, 109.613, 320.702



45, 7.174, 302.917



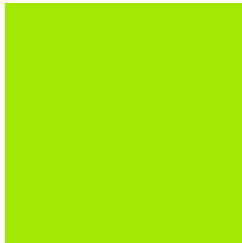
24, 100.132, 308.542



3, 36.726, 305.629

Previews

White Background



This preview shows how the CIELCh color 85, 95.563, 120.606 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, 95.563, 120.606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

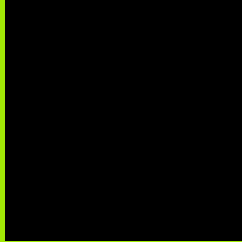
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 95.563, 120.606

Background



This preview shows how black text looks on a background with the CIELCh color 85, 95.563, 120.606.



This preview shows how white text looks on a background with the CIELCh color 85, 95.563, 120.606.

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

85, 95.486, 120.625

Protanopia

85, 85.128, 95.161

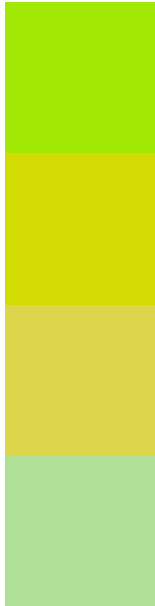
Deuteranopia

85, 52.015, 80.784



Tritanopia
85, 13.974, 238.820

Trichromacy



Original Color
85, 95.486, 120.625

Protanomaly
84, 86.660, 105.709

Deuteranomaly
84, 68.380, 101.715

Tritanomaly
84, 41.470, 132.704

Monochromacy



Original Color
85, 95.486, 120.625

Achromatopsia
76, 0.009, 296.813

Achromatomaly
78, 44.435, 119.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 95.563, 120.606 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(161, 233, 5)` looks like.

```
.text, #text, p{  
    color:rgb(161, 233, 5)  
}
```

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(161, 233, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 233, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 95.563, 120.606 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(161, 233, 5) }
```

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

```
.border{ border-color:rgb(161, 233, 5) }
```

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

Here you see how a box with a 4 pixel rgb(161, 233, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 233, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 233, 5);  
box-shadow:4px 4px 4px 4px rgb(161, 233,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 95.563, 120.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 233, 5) }
```

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

```
.background{ background-color: rgb(161,  
233, 5) }
```

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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