

Converting Colors

CIELCh(85, 101.968, 126.763)

Have a look what the booklet for
CIELCh(85, 101.968, 126.763)
contains.

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Color

CIELCh(85, 101.941, 126.783)

Conversions

Conversions Part 1

Format	Color
Hex	82EE05
RGB	130, 238, 5
RGB Percent	51%, 93%, 2%
CMY	0.4896, 0.0660, 0.9821
CMYK	0.45, 0.00, 0.98, 0.07
HSL	88°, 96%, 48%
HSV	88°, 98%, 93%
XYZ	39.8751, 66.0070, 10.7693
YIQ	179.1460, 10.4250, -95.3590

Conversions

Conversions Part 2

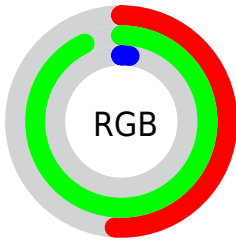
Format	Color
RYB	5, 238, 113
Decimal	8580613
CIELab	85.00, -61.04, 81.65
CIELCh	85, 101.941, 126.783
Yxy	66.0070, 0.3418, 0.5658
Android (android.graphics.Color)	4286770693 (0xFF82EE05)
YUV	179.1460, -85.8540, -43.1010
Hunter-Lab	81.2447, -54.5700, 49.0121

Details

The CIELCh color **85, 101.941, 126.783** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **37, 118.817, 311.008**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 81.962, 122.226**, and **65, 87.907, 131.925** is the 20% darker color. If you saturate the color by 10%, you get **85, 102.576, 127.008**, and if you desaturate by 10%, it is **86, 97.925, 125.702**.

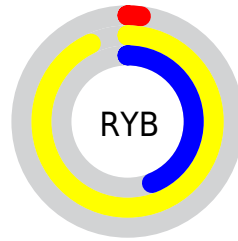
Distribution



Red (51%)

Green (93%)

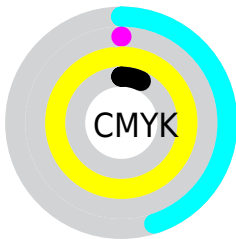
Blue (2%)



Red (2%)

Yellow (93%)

Blue (44%)

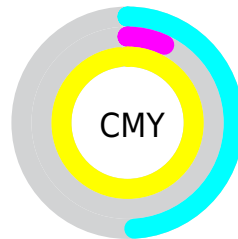


Cyan (45%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (49%)


Magenta (7%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 101.941, 126.783 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, 101.941, 126.783 by changing the saturation by 10% instead.


 85, 101.941,
126.783


 85, 101.941,
126.783


 100, 101.941,
126.783


 75, 101.941,
126.783


 65, 101.941,
126.783

 55, 101.941,
126.783

 45, 101.941,
126.783

 35, 101.941,
126.783

 25, 101.941,
126.783

 15, 101.941,

126.783

■ 5, 101.941,
126.783

■ 0, 101.941,
126.783

■ 85, 101.941,
126.783

■ 85, 101.941,
126.783

■ 85, 102.576,
127.008

■ 86, 97.925,
125.702

■ 86, 91.488,
125.112

■ 87, 82.826,
124.958

■ 88, 72.486,
125.113

■ 88, 61.008,
125.459

■ 89, 48.811,
125.906

■ 91, 36.191,
126.397

■ 92, 23.349,
126.896

■ 93, 10.425,
127.384

Harmonies

Complementary

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



85, 101.941, 126.783



37, 118.817, 311.008

Rectangle

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



85, 101.941, 126.783



85, 101.941, 176.783



85, 101.941, 306.783



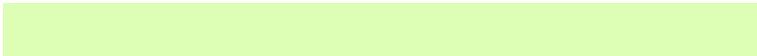
85, 101.941, 356.783

Sweetspot

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



85, 101.941, 126.784



96, 39.490, 126.346



61, 82.105, 56.485



51, 27.042, 126.134



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, 101.941, 126.784



90, 108.082, 127.069



83, 113.081, 135.909



50, 7.372, 127.316



67, 84.188, 126.735



21, 34.741, 125.662

Inverse Universe

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



37, 118.817, 311.008



40, 126.080, 310.855



55, 109.680, 326.261



46, 7.482, 308.177



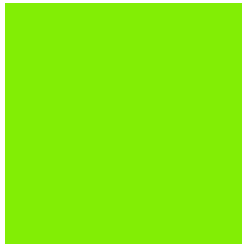
28, 98.284, 311.080



5, 39.482, 310.872

Previews

White Background



This preview shows how the CIE LCh color 85, 101.941, 126.783 looks on a white background.

Color Contrast Check

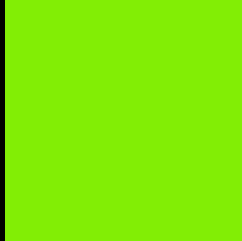
Large Text (above 18pt) WCAG AA × Fail

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, 101.941, 126.783 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, 101.941, 126.783

Background



This preview shows how black text looks on a background with the CIELCh color 85, 101.941, 126.783.

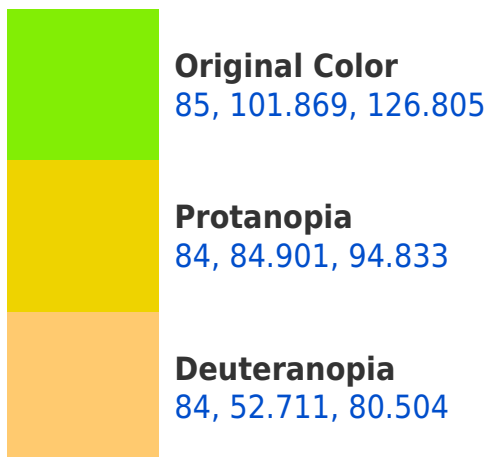



This preview shows how white text looks on a background with the CIELCh color 85, 101.941, 126.783.

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](#).

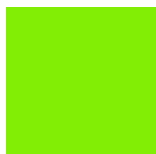
Dichromacy





Tritanopia
85, 21.501, 224.572

Trichromacy



Original Color
85, 101.869, 126.805



Protanomaly
84, 87.441, 109.028

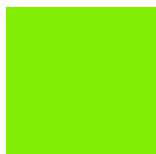


Deuteranomaly
83, 69.468, 105.911



Tritanomaly
84, 47.708, 143.655

Monochromacy



Original Color
85, 101.869, 126.805



Achromatopsia
73, 0.009, 296.813



Achromatomaly
76, 47.179, 126.032

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 101.941, 126.783 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(130, 238, 5)` looks like.

```
.text, #text, p{  
    color:rgb(130, 238, 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(130, 238, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 238, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 101.941, 126.783 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(130, 238, 5) }
```

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

```
.border{ border-color:rgb(130, 238, 5) }
```

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

Here you see how a box with a 4 pixel rgb(130, 238, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 238, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 238, 5);  
box-shadow:4px 4px 4px 4px rgb(130, 238,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 101.941, 126.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 238, 5) }
```

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

```
.background{ background-color: rgb(130,  
238, 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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