

Converting Colors

CIELCh(85, 100.614, 125.556)

Have a look what the booklet for
CIELCh(85, 100.614, 125.556)
contains.

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Color

CIELCh(85, 100.522, 125.568)

Conversions

Conversions Part 1

Format	Color
Hex	89ED05
RGB	137, 237, 5
RGB Percent	54%, 93%, 2%
CMY	0.4621, 0.0699, 0.9819
CMYK	0.42, 0.00, 0.98, 0.07
HSL	86°, 96%, 47%
HSV	86°, 98%, 93%
XYZ	40.7022, 66.0070, 10.7269
YIQ	180.6520, 14.8720, -93.3520

Conversions

Conversions Part 2

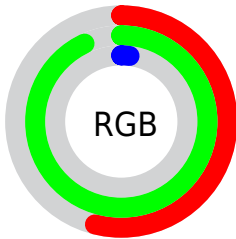
Format	Color
RYB	5, 237, 105
Decimal	9039109
CIELab	85.00, -58.47, 81.77
CIELCh	85, 100.522, 125.568
Yxy	66.0070, 0.3466, 0.5621
Android (android.graphics.Color)	4287229189 (0xFF89ED05)
YUV	180.6520, -86.5964, -38.2828
Hunter-Lab	81.2447, -52.7528, 49.0431

Details

The CIELCh color **85, 100.522, 125.568** 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 **36, 119.220, 310.353**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 81.105, 120.493**, and **65, 86.293, 130.651** is the 20% darker color. If you saturate the color by 10%, you get **85, 101.144, 125.797**, and if you desaturate by 10%, it is **85, 96.622, 124.489**.

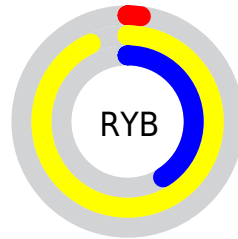
Distribution



Red (54%)

Green (93%)

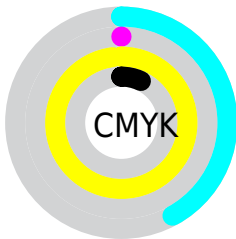
Blue (2%)



Red (2%)

Yellow (93%)

Blue (41%)

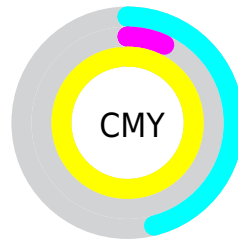


Cyan (42%)

Magenta (0%)

Yellow (98%)

Black (7%)



Cyan (46%)


Magenta (7%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 100.522, 125.568 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, 100.522, 125.568 by changing the saturation by 10% instead.


 85, 100.522,
125.568


 85, 100.522,
125.568


 100, 100.522,
125.568


 75, 100.522,
125.568


 65, 100.522,
125.568

 55, 100.522,
125.568

 45, 100.522,
125.568

 35, 100.522,
125.568

 25, 100.522,
125.568

 15, 100.522,

125.568

■ 5, 100.522,
125.568

■ 0, 100.522,
125.568

■ 85, 100.522,
125.568

■ 85, 100.522,
125.568

■ 85, 101.144,
125.797

■ 85, 96.622,
124.489

■ 86, 90.314,
123.901

■ 87, 81.793,
123.748

■ 88, 71.601,
123.903

■ 88, 60.276,
124.251

■ 89, 48.234,
124.704

■ 90, 35.766,
125.203

■ 92, 23.072,
125.713

■ 93, 10.288,
126.215

Harmonies

Complementary

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



85, 100.522, 125.568



36, 119.220, 310.353

Rectangle

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



85, 100.522, 125.568



85, 100.522, 175.568



85, 100.522, 305.568



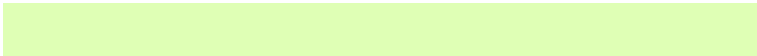
85, 100.522, 355.568

Sweetspot

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



85, 100.522, 125.569



96, 39.191, 125.149



59, 83.221, 54.070



51, 26.833, 124.933



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, 100.522, 125.569



91, 106.909, 125.862



82, 112.467, 135.747



50, 7.321, 126.144



67, 83.290, 125.529



21, 34.411, 124.442

Inverse Universe

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



36, 119.220, 310.353



39, 126.952, 310.208



53, 109.596, 324.979



46, 7.437, 307.040



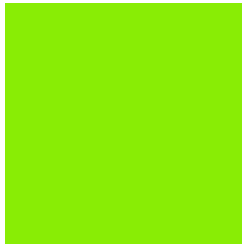
27, 98.955, 310.429



4, 39.345, 309.858

Previews

White Background



This preview shows how the CIE LCh color 85, 100.522, 125.568 looks on a white background.

Color Contrast Check

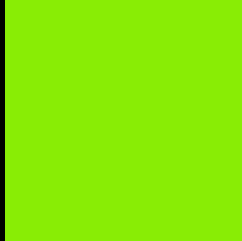
Large Text (above 18pt) WCAG AA × Fail

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, 100.522, 125.568 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, 100.522, 125.568

Background



This preview shows how black text looks on a background with the CIELCh color 85, 100.522, 125.568.



This preview shows how white text looks on a background with the CIELCh color 85, 100.522, 125.568.

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, 100.449, 125.590

Protanopia

85, 85.128, 95.161

Deuteranopia

85, 52.913, 81.107



Tritanopia
85, 19.739, 227.251

Trichromacy



Original Color
85, 100.449, 125.590



Protanomaly
84, 87.338, 108.480



Deuteranomaly
83, 69.447, 105.209

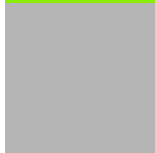


Tritanomaly
84, 46.320, 141.493

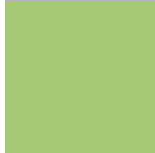
Monochromacy



Original Color
85, 100.449, 125.590



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 46.160, 124.492

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 100.522, 125.568 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(137, 237, 5)` looks like.

```
.text, #text, p{  
    color:rgb(137, 237, 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(137, 237, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 237, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 100.522, 125.568 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(137, 237, 5) }
```

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

```
.border{ border-color:rgb(137, 237, 5) }
```

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

Here you see how a box with a 4 pixel rgb(137, 237, 5) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 237, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 237, 5);  
box-shadow:4px 4px 4px 4px rgb(137, 237,  
5) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 100.522, 125.568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 237, 5) }
```

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

```
.background{ background-color: rgb(137,  
237, 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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