

Converting Colors

CIELCh(85, 112.796, 135.648)

Have a look what the booklet for
CIELCh(85, 112.796, 135.648)
contains.

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Color

CIELCh(85, 112.764, 135.634)

Conversions

Conversions Part 1

Format	Color
Hex	2DF517
RGB	45, 245, 23
RGB Percent	18%, 96%, 9%
CMY	0.8225, 0.0387, 0.9087
CMYK	0.82, 0.00, 0.91, 0.04
HSL	114°, 92%, 53%
HSV	114°, 91%, 96%
XYZ	33.9412, 66.0070, 11.7760
YIQ	159.8920, -47.9380, -111.4420

Conversions

Conversions Part 2

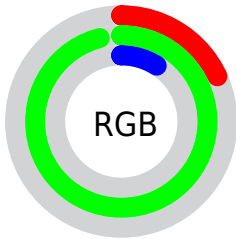
Format	Color
R_{YB}	23, 245, 223
Decimal	3011863
CIE _{Lab}	85.00, -80.61, 78.85
CIE _{LCh}	85, 112.764, 135.634
Yxy	66.0070, 0.3038, 0.5908
Android (android.graphics.Color)	4281201943 (0xFF2DF517)
YUV	159.8920, -67.4878, -100.7603
Hunter-Lab	81.2447, -67.6073, 48.2775

Details

The CIELCh color **85, 112.764, 135.634** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **55, 110.647, 324.552**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 89.175, 135.018**, and **66, 94.874, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 115.670, 135.653**, and if you desaturate by 10%, it is **85, 106.919, 135.915**.

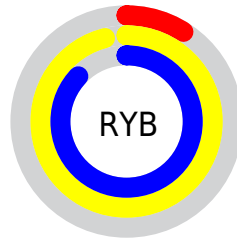
Distribution



Red (18%)

Green (96%)

Blue (9%)



Red (9%)

Yellow (96%)

Blue (87%)

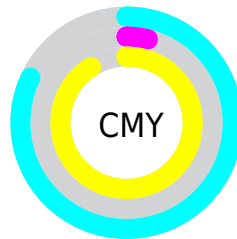


Cyan (82%)

Magenta (0%)

Yellow (91%)

Black (4%)



Cyan (82%)


Magenta (4%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 112.764, 135.634 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, 112.764, 135.634 by changing the saturation by 10% instead.


 85, 112.764,
135.634


 85, 112.764,
135.634


 100, 112.764,
135.634


 75, 112.764,
135.634


 65, 112.764,
135.634

 55, 112.764,
135.634

 45, 112.764,
135.634

 35, 112.764,
135.634

 25, 112.764,
135.634

 15, 112.764,

135.634

■ 5, 112.764,
135.634

■ 0, 112.764,
135.634

■ 85, 112.764,
135.634

■ 85, 112.764,
135.634

■ 85, 115.670,
135.653

■ 85, 106.919,
135.915

■ 86, 98.165,
136.525

■ 87, 87.065,
137.335

■ 88, 74.263,
138.215

■ 89, 60.325,
139.077

■ 91, 45.698,
139.872

■ 92, 30.730,
140.582

■ 94, 15.680,
141.205

■ 96, 0.737, 142.085

Harmonies

Complementary

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



85, 112.764, 135.634



55, 110.647, 324.552

Rectangle

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



85, 112.764, 135.634



85, 112.764, 185.634



85, 112.764, 315.634



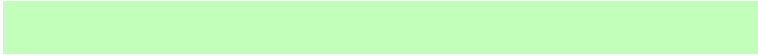
85, 112.764, 5.634

Sweetspot

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



85, 112.763, 135.635



94, 41.793, 140.127



88, 85.808, 96.607



50, 28.142, 139.874



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, 112.763, 135.635



88, 119.199, 135.663



85, 90.463, 146.301



50, 8.469, 141.264



66, 93.965, 135.562



21, 40.271, 135.908

Inverse Universe

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



55, 110.647, 324.552



56, 116.357, 324.316



55, 84.048, 350.679



48, 8.497, 322.184



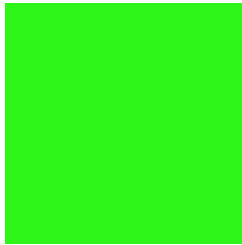
41, 91.835, 324.388



10, 40.782, 324.885

Previews

White Background



This preview shows how the CIE LCh color 85, 112.764, 135.634 looks on a white background.

Color Contrast Check

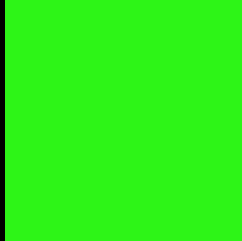
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 85, 112.764, 135.634 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, 112.764, 135.634

Background



This preview shows how black text looks on a background with the CIELCh color 85, 112.764, 135.634.



This preview shows how white text looks on a background with the CIELCh color 85, 112.764, 135.634.

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

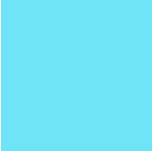
85, 112.764, 135.634

Protanopia

84, 84.834, 95.127

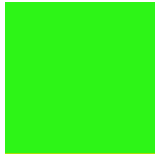
Deuteranopia

84, 53.852, 80.388



Tritanopia
85, 34.055, 213.682

Trichromacy



Original Color
85, 112.764, 135.634



Protanomaly
82, 90.481, 117.743

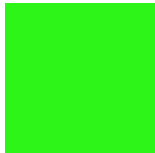


Deuteranomaly
82, 70.274, 117.239

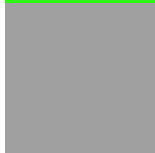


Tritanomaly
84, 59.287, 158.070

Monochromacy



Original Color
85, 112.764, 135.634



Achromatopsia
66, 0.008, 296.813



Achromatomaly
71, 51.518, 138.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 112.764, 135.634 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(45, 245, 23)` looks like.

```
.text, #text, p{  
    color:rgb(45, 245, 23)  
}
```

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(45, 245, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 245, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 112.764, 135.634 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(45, 245, 23) }
```

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

```
.border{ border-color:rgb(45, 245, 23) }
```

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

Here you see how a box with a 4 pixel rgb(45, 245, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 245, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 245, 23);  
box-shadow:4px 4px 4px 4px rgb(45, 245,  
23) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 112.764, 135.634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 245, 23) }
```

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

```
.background{ background-color: rgb(45, 245,  
23) }
```

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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