

Converting Colors

CIELCh(85, 94.088, 144.951)

Have a look what the booklet for
CIELCh(85, 94.088, 144.951)
contains.

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Color

CIELCh(85, 94.449, 144.835)

Conversions

Conversions Part 1

Format	Color
Hex	02F566
RGB	2, 245, 102
RGB Percent	1%, 96%, 40%
CMY	0.9913, 0.0409, 0.6015
CMYK	0.99, 0.00, 0.58, 0.04
HSL	145°, 98%, 48%
HSV	145°, 99%, 96%
XYZ	34.9270, 66.0070, 23.3671
YIQ	156.0410, -98.9250, -95.9890

Conversions

Conversions Part 2

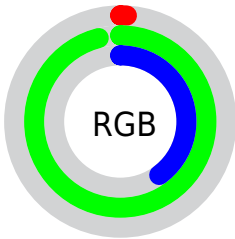
Format	Color
R_{YB}	2, 174, 245
Decimal	193894
CIE _{Lab}	85.00, -77.21, 54.40
CIE _{LCh}	85, 94.449, 144.835
Yxy	66.0070, 0.2810, 0.5310
Android (android.graphics.Color)	4278383974 (0xFF02F566)
YUV	156.0410, -26.6422, -135.0940
Hunter-Lab	81.2447, -65.4412, 39.8186

Details

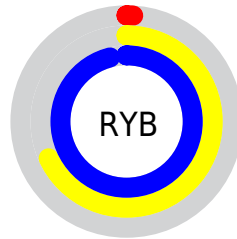
The CIELCh color **85, 94.449, 144.835** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark saturated spring green. A complement of this color would be **53, 84.025, 354.109**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 68.883, 148.935**, and **66, 86.753, 139.757** is the 20% darker color. If you saturate the color by 10%, you get **85, 94.952, 144.643**, and if you desaturate by 10%, it is **85, 88.607, 147.029**.

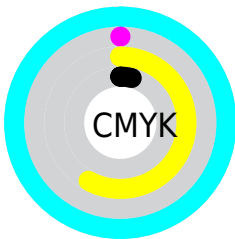
Distribution



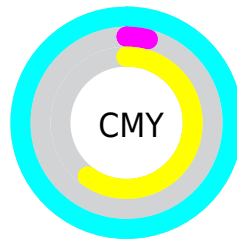
- Red (1%)
- Green (96%)
- Blue (40%)



- Red (1%)
- Yellow (68%)
- Blue (96%)



- Cyan (99%)
- Magenta (0%)
- Yellow (58%)
- Black (4%)





- Cyan (99%)
- Magenta (4%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 94.449, 144.835 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, 94.449, 144.835 by changing the saturation by 10% instead.


 85, 94.449,
144.835


 85, 94.449,
144.835


 100, 94.449,
144.835


 75, 94.449,
144.835

 65, 94.449,
144.835

 55, 94.449,
144.835

 45, 94.449,
144.835

 35, 94.449,
144.835

 25, 94.449,
144.835

 15, 94.449,

144.835

■ 5, 94.449, 144.835

■ 0, 94.449, 144.835

■ 85, 94.449,
144.835

■ 85, 94.449,
144.835

■ 85, 94.952,
144.643

■ 85, 88.607,
147.029

■ 86, 81.733,
149.106

■ 86, 73.762,
150.991

■ 87, 64.762,
152.666

■ 88, 54.878,

154.138

■ 89, 44.299,
155.425

■ 91, 33.231,
156.553

■ 93, 21.873,
157.546

■ 94, 10.399,
158.439

Harmonies

Complementary

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



85, 94.449, 144.835



53, 84.025, 354.109

Rectangle

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



85, 94.449, 144.835



85, 94.449, 194.835



85, 94.449, 324.835



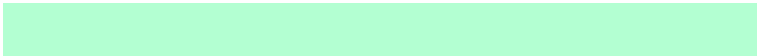
85, 94.449, 14.835

Sweetspot

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



85, 94.449, 144.835



94, 35.434, 156.449



88, 102.218, 124.524



50, 24.103, 155.985



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, 94.449, 144.835



88, 98.119, 144.590



87, 53.332, 182.156



50, 6.509, 158.405



66, 76.679, 145.048



21, 31.646, 148.539

Inverse Universe

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



53, 84.025, 354.109



56, 86.726, 354.483



51, 96.395, 36.293



48, 6.565, 339.797



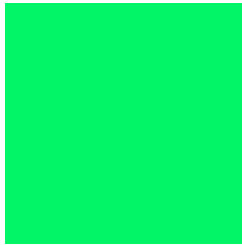
41, 68.682, 353.789



9, 31.343, 349.223

Previews

White Background



This preview shows how the CIELCh color 85, 94.449, 144.835 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, 94.449, 144.835 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, 94.449, 144.835

Background



This preview shows how black text looks on a background with the CIELCh color 85, 94.449, 144.835.

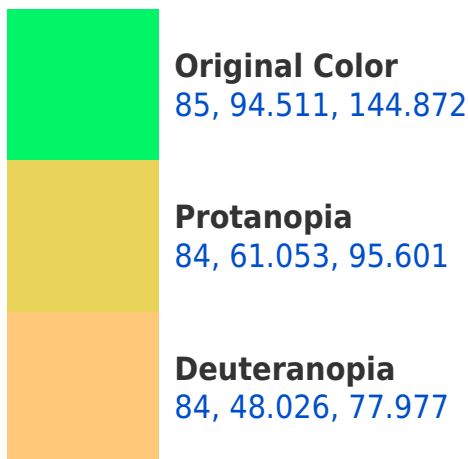


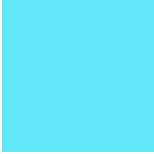
This preview shows how white text looks on a background with the CIELCh color 85, 94.449, 144.835.

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, 36.735, 212.294

Trichromacy



Original Color
85, 94.511, 144.872



Protanomaly
82, 70.129, 128.892



Deuteranomaly
81, 56.845, 127.715



Tritanomaly
84, 52.639, 172.280

Monochromacy



Original Color
85, 94.511, 144.872



Achromatopsia
64, 0.008, 296.813



Achromatomaly
70, 42.498, 154.503

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 94.449, 144.835 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(2, 245, 102)` looks like.

```
.text, #text, p{  
    color:rgb(2, 245, 102)  
}
```

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(2, 245, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 245, 102) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 94.449, 144.835 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(2, 245, 102) }
```

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

```
.border{ border-color:rgb(2, 245, 102) }
```

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

Here you see how a box with a 4 pixel rgb(2, 245, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 245, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 245, 102);  
box-shadow:4px 4px 4px 4px rgb(2, 245,  
102) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 94.449, 144.835 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 245, 102) }
```

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

```
.background{ background-color: rgb(2, 245,  
102) }
```

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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