

Converting Colors

CIELCh(85, 104.743, 138.354)

Have a look what the booklet for
CIELCh(85, 104.743, 138.354)
contains.

CIELCh(85, 104.814, 138.400)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(85, 104.814, 138.400)

Conversions

Conversions Part 1

Format	Color
Hex	2FF53F
RGB	47, 245, 63
RGB Percent	18%, 96%, 25%
CMY	0.8151, 0.0409, 0.7547
CMYK	0.81, 0.00, 0.74, 0.04
HSL	125°, 90%, 57%
HSV	125°, 81%, 96%
XYZ	34.5864, 66.0070, 15.5536
YIQ	165.0500, -59.5860, -98.5780

Conversions

Conversions Part 2

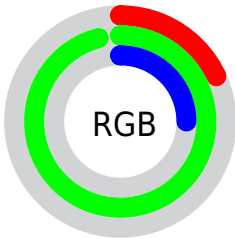
Format	Color
RYB	47, 230, 245
Decimal	3142975
CIELab	85.00, -78.38, 69.59
CIELCh	85, 104.814, 138.400
Yxy	66.0070, 0.2978, 0.5683
Android (android.graphics.Color)	4281333055 (0xFF2FF53F)
YUV	165.0500, -50.3106, -103.5298
Hunter-Lab	81.2447, -66.1896, 45.5207

Details

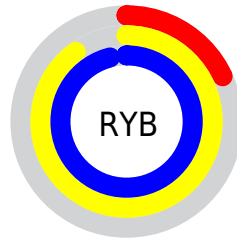
The CIELCh color **85, 104.814, 138.400** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59, 100.012, 330.918**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 79.971, 139.031**, and **66, 94.874, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **85, 111.147, 137.269**, and if you desaturate by 10%, it is **86, 95.997, 139.692**.

Distribution



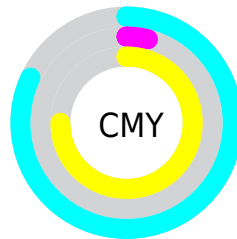
- Red (18%)
- Green (96%)
- Blue (25%)



- Red (18%)
- Yellow (90%)
- Blue (96%)



- Cyan (81%)
- Magenta (0%)
- Yellow (74%)
- Black (4%)





- Cyan (82%)
- Magenta (4%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 104.814, 138.400 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, 104.814, 138.400 by changing the saturation by 10% instead.


 85, 104.814,
138.400


 85, 104.814,
138.400


 100, 104.814,
138.400


 75, 104.814,
138.400

 65, 104.814,
138.400

 55, 104.814,
138.400

 45, 104.814,
138.400

 35, 104.814,
138.400

 25, 104.814,
138.400

 15, 104.814,

138.400

■ 5, 104.814,
138.400

■ 0, 104.814,
138.400

■ 85, 104.814,
138.400

■ 85, 104.814,
138.400

■ 85, 111.147,
137.269

■ 86, 95.997,
139.692

■ 85, 114.646,
136.516

■ 86, 85.138,
141.009

■ 87, 72.717,
142.257

■ 89, 59.188,
143.386

■ 90, 44.952,
144.377

■ 92, 30.344,
145.235

■ 94, 15.636,
145.974

■ 96, 1.034, 146.885

■ 97, 6.493, 324.620

Harmonies

Complementary

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



85, 104.814, 138.400



59, 100.012, 330.918

Rectangle

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



85, 104.814, 138.400



85, 104.814, 188.400



85, 104.814, 318.400



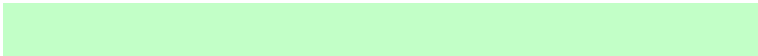
85, 104.814, 8.400

Sweetspot

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



85, 104.814, 138.401



95, 36.368, 144.963



93, 87.695, 106.930



50, 24.977, 144.657



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, 104.814, 138.401



88, 117.462, 136.688



86, 71.304, 156.614



50, 8.289, 146.059



66, 93.078, 136.662



20, 39.498, 138.839

Inverse Universe

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



59, 100.012, 330.918



59, 108.269, 331.561



55, 76.443, 1.028



48, 8.304, 327.136



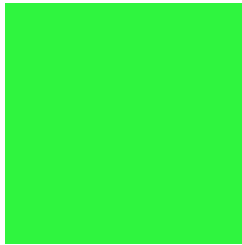
43, 85.811, 331.603



10, 38.463, 331.124

Previews

White Background



This preview shows how the CIELCh color 85, 104.814, 138.400 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, 104.814, 138.400 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

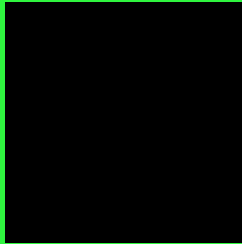
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 104.814, 138.400

Background



This preview shows how black text looks on a background with the CIELCh color 85, 104.814, 138.400.

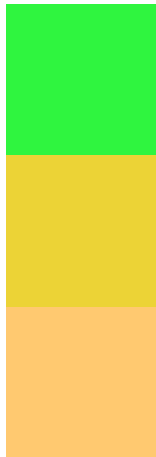


This preview shows how white text looks on a background with the CIELCh color 85, 104.814, 138.400.

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, 104.883, 138.446

Protanopia

84, 75.092, 95.337

Deuteranopia

84, 52.069, 79.723



Tritanopia
85, 34.283, 214.501

Trichromacy



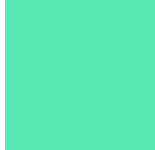
Original Color
85, 104.883, 138.446



Protanomaly
83, 81.246, 120.051



Deuteranomaly
82, 63.434, 119.090

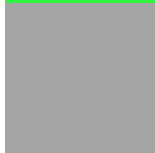


Tritanomaly
84, 53.743, 164.005

Monochromacy



Original Color
85, 104.883, 138.446



Achromatopsia
68, 0.008, 296.813



Achromatomaly
72, 44.686, 143.963

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 104.814, 138.400 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(47, 245, 63)` looks like.

```
.text, #text, p{  
    color:rgb(47, 245, 63)  
}
```

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(47, 245, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 245, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 104.814, 138.400 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(47, 245, 63) }
```

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

```
.border{ border-color:rgb(47, 245, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 245, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 245, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 245, 63);  
box-shadow:4px 4px 4px 4px rgb(47, 245,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 104.814, 138.400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 245, 63) }
```

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

```
.background{ background-color: rgb(47, 245,  
63) }
```

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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