

Converting Colors

CIELCh(85, 88.377, 146.238)

Have a look what the booklet for
CIELCh(85, 88.377, 146.238)
contains.

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Color

CIELCh(85, 88.337, 146.195)

Conversions

Conversions Part 1

Format	Color
Hex	28F371
RGB	40, 243, 113
RGB Percent	16%, 95%, 44%
CMY	0.8433, 0.0454, 0.5553
CMYK	0.84, 0.00, 0.53, 0.05
HSL	142°, 90%, 56%
HSV	142°, 84%, 95%
XYZ	36.0535, 66.0070, 26.5764
YIQ	167.4830, -79.2580, -83.4660

Conversions

Conversions Part 2

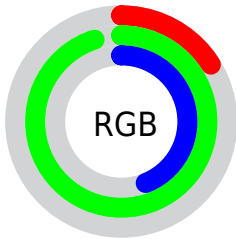
Format	Color
RYB	40, 189, 243
Decimal	2683761
CIELab	85.00, -73.40, 49.15
CIELCh	85, 88.337, 146.195
Yxy	66.0070, 0.2803, 0.5131
Android (android.graphics.Color)	4280873841 (0xFF28F371)
YUV	167.4830, -26.8601, -111.8026
Hunter-Lab	81.2447, -62.9664, 37.4766

Details

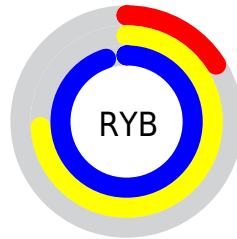
The CIELCh color **85, 88.337, 146.195** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **56, 83.710, 346.198**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 63.446, 150.530**, and **66, 81.877, 141.911** is the 20% darker color. If you saturate the color by 10%, you get **85, 94.952, 144.115**, and if you desaturate by 10%, it is **86, 80.533, 148.126**.

Distribution



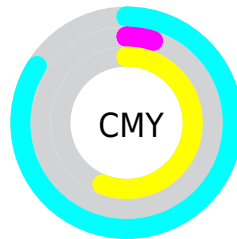
- Red (16%)
- Green (95%)
- Blue (44%)



- Red (16%)
- Yellow (74%)
- Blue (95%)



- Cyan (84%)
- Magenta (0%)
- Yellow (53%)
- Black (5%)





- Cyan (84%)
- Magenta (5%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 88.337, 146.195 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, 88.337, 146.195 by changing the saturation by 10% instead.


 85, 88.337,
146.195


 85, 88.337,
146.195


 100, 88.337,
146.195


 75, 88.337,
146.195

 65, 88.337,
146.195

 55, 88.337,
146.195

 45, 88.337,
146.195

 35, 88.337,
146.195

 25, 88.337,
146.195

 15, 88.337,

146.195

■ 5, 88.337, 146.195

■ 0, 88.337, 146.195

■ 85, 88.337,
146.195

■ 85, 88.337,
146.195

■ 85, 94.952,
144.115

■ 86, 80.533,
148.126

■ 85, 98.641,
142.776


■ 86, 71.597,
149.864


■ 87, 61.667,
151.400

■ 88, 50.937,
152.744

■ 90, 39.623,

153.915

 91, 27.942,
154.938

 93, 16.087,
155.840

 95, 4.223, 156.696

 97, 6.554, 328.657

Harmonies

Complementary

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



85, 88.337, 146.195



56, 83.710, 346.198

Rectangle

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



85, 88.337, 146.195



85, 88.337, 196.195



85, 88.337, 326.195



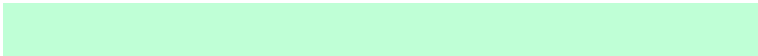
85, 88.337, 16.195

Sweetspot

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



85, 88.337, 146.195



95, 30.743, 154.796



89, 93.851, 120.922



50, 20.950, 154.444



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, 88.337, 146.195



88, 102.302, 142.720



87, 53.296, 178.445



50, 6.750, 156.184



66, 79.964, 143.158



21, 33.002, 146.550

Inverse Universe

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



56, 83.710, 346.198



56, 88.742, 350.201



53, 82.032, 25.777



48, 6.797, 337.514



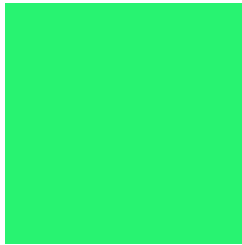
41, 70.307, 349.630



9, 32.128, 345.881

Previews

White Background



This preview shows how the CIE LCh color 85, 88.337, 146.195 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, 88.337, 146.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

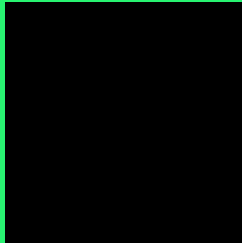
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 85, 88.337, 146.195

Background



This preview shows how black text looks on a background with the CIELCh color 85, 88.337, 146.195.

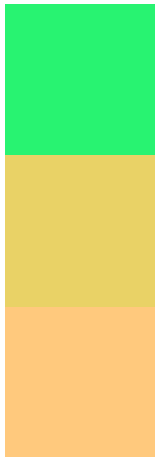


This preview shows how white text looks on a background with the CIELCh color 85, 88.337, 146.195.

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](#).

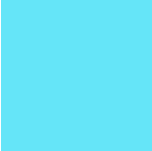
Dichromacy



Original Color
85, 88.274, 146.157

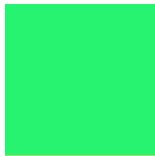
Protanopia
84, 55.772, 95.236

Deuteranopia
84, 46.223, 77.071



Tritanopia
85, 35.899, 213.608

Trichromacy



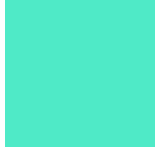
Original Color
85, 88.274, 146.157



Protanomaly
82, 63.057, 126.974



Deuteranomaly
82, 51.159, 123.696



Tritanomaly
84, 48.868, 173.923

Monochromacy



Original Color
85, 88.274, 146.157



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 37.161, 153.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 88.337, 146.195 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(40, 243, 113)` looks like.

```
.text, #text, p{  
    color:rgb(40, 243, 113)  
}
```

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(40, 243, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 243, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 88.337, 146.195 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(40, 243, 113) }
```

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

```
.border{ border-color:rgb(40, 243, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 243, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 243, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 243, 113);  
box-shadow:4px 4px 4px 4px rgb(40, 243,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 88.337, 146.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 243, 113) }
```

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

```
.background{ background-color: rgb(40, 243,  
113) }
```

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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