

Converting Colors

CIELCh(85, 85.367, 132.684)

Have a look what the booklet for
CIELCh(85, 85.367, 132.684)
contains.

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Color

CIELCh(85, 85.303, 132.687)

Conversions

Conversions Part 1

Format	Color
Hex	80ED53
RGB	128, 237, 83
RGB Percent	50%, 93%, 33%
CMY	0.4967, 0.0693, 0.6732
CMYK	0.46, 0.00, 0.65, 0.07
HSL	102°, 81%, 63%
HSV	102°, 65%, 93%
XYZ	40.9085, 66.0070, 18.8334
YIQ	186.8530, -15.5300, -71.0020

Conversions

Conversions Part 2

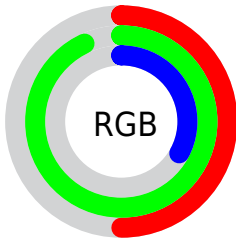
Format	Color
RYB	83, 237, 192
Decimal	8449363
CIELab	85.00, -57.83, 62.70
CIELCh	85, 85.303, 132.687
Yxy	66.0070, 0.3253, 0.5249
Android (android.graphics.Color)	4286639443 (0xFF80ED53)
YUV	186.8530, -51.1995, -51.6141
Hunter-Lab	81.2447, -52.2995, 43.1273

Details

The CIELCh color **85, 85.303, 132.687** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **56, 88.839, 318.440**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 63.304, 129.880**, and **65, 85.140, 132.686** is the 20% darker color. If you saturate the color by 10%, you get **84, 95.225, 132.453**, and if you desaturate by 10%, it is **86, 73.764, 133.133**.

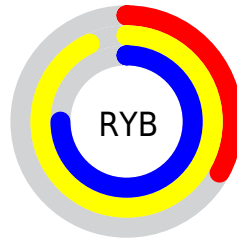
Distribution



Red (50%)

Green (93%)

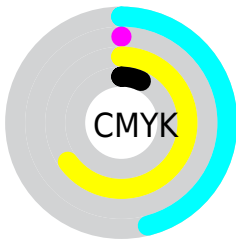
Blue (33%)



Red (33%)

Yellow (93%)

Blue (75%)

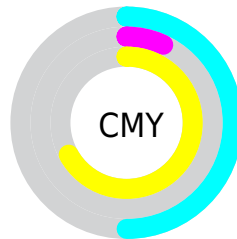


Cyan (46%)

Magenta (0%)

Yellow (65%)

Black (7%)



Cyan (50%)


Magenta (7%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 85.303, 132.687 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, 85.303, 132.687 by changing the saturation by 10% instead.


 85, 85.303,
132.687


 85, 85.303,
132.687


 100, 85.303,
132.687


 75, 85.303,
132.687

 65, 85.303,
132.687

 55, 85.303,
132.687

 45, 85.303,
132.687

 35, 85.303,
132.687

 25, 85.303,
132.687

 15, 85.303,

132.687

■ 5, 85.303, 132.687

■ 0, 85.303, 132.687

■ 85, 85.303,
132.687

■ 85, 85.303,
132.687

■ 84, 95.225,
132.453

■ 86, 73.764,
133.133

■ 84, 102.927,
132.562

■ 87, 61.146,
133.678

■ 83, 107.978,
133.109

■ 88, 47.867,
134.249

■ 83, 109.734,
133.485


■ 90, 34.228,
134.803

■ 91, 20.448,

135.319

 93, 6.683, 135.802

 95, 6.958, 316.149

 96, 11.017,
324.796

Harmonies

Complementary

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



85, 85.303, 132.687



56, 88.839, 318.440

Rectangle

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



85, 85.303, 132.687



85, 85.303, 182.687



85, 85.303, 312.687



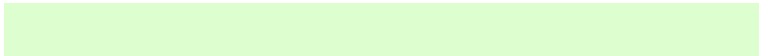
85, 85.303, 2.687

Sweetspot

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



85, 85.304, 132.688



97, 27.681, 135.109



80, 59.226, 84.980



51, 19.058, 134.960



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, 85.304, 132.688



90, 103.609, 132.445



84, 80.861, 143.931



49, 7.848, 135.581



66, 90.301, 133.284



20, 37.250, 132.849

Inverse Universe

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



56, 88.839, 318.440



54, 107.958, 318.450



61, 79.189, 335.019



47, 7.911, 316.360



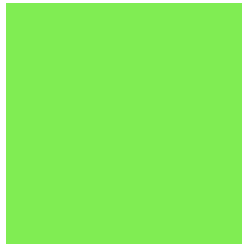
34, 93.429, 317.613



7, 40.105, 318.742

Previews

White Background



This preview shows how the CIELCh color 85, 85.303, 132.687 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, 85.303, 132.687 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, 85.303, 132.687

Background



This preview shows how black text looks on a background with the CIELCh color 85, 85.303, 132.687.

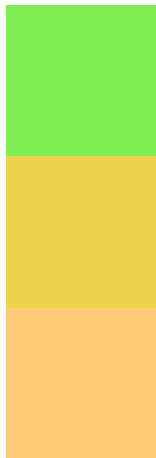


This preview shows how white text looks on a background with the CIELCh color 85, 85.303, 132.687.

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, 85.303, 132.687

Protanopia
84, 67.373, 95.120

Deuteranopia
84, 49.115, 79.059



Tritanopia
85, 22.497, 223.248

Trichromacy



Original Color
85, 85.303, 132.687



Protanomaly
84, 69.868, 112.557



Deuteranomaly
84, 55.161, 107.978

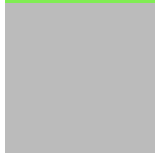


Tritanomaly
84, 37.373, 157.729

Monochromacy



Original Color
85, 85.303, 132.687



Achromatopsia
76, 0.009, 296.813



Achromatomaly
78, 33.234, 134.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 85.303, 132.687 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(128, 237, 83)` looks like.

```
.text, #text, p{  
    color:rgb(128, 237, 83)  
}
```

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(128, 237, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 237, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 85.303, 132.687 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(128, 237, 83) }
```

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

```
.border{ border-color:rgb(128, 237, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 237, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 237, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 237, 83);  
box-shadow:4px 4px 4px 4px rgb(128, 237,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 85.303, 132.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 237, 83) }
```

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

```
.background{ background-color: rgb(128,  
237, 83) }
```

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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