

Converting Colors

CIELCh(85, 93.551, 142.309)

Have a look what the booklet for
CIELCh(85, 93.551, 142.309)
contains.

CIELCh(85, 93.465, 142.253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(85, 93.465, 142.253)

Conversions

Conversions Part 1

Format	Color
Hex	39F35F
RGB	57, 243, 95
RGB Percent	22%, 95%, 37%
CMY	0.7780, 0.0456, 0.6261
CMYK	0.77, 0.00, 0.61, 0.05
HSL	132°, 89%, 59%
HSV	132°, 77%, 95%
XYZ	35.9035, 66.0070, 21.7544
YIQ	170.5140, -63.3480, -85.4600

Conversions

Conversions Part 2

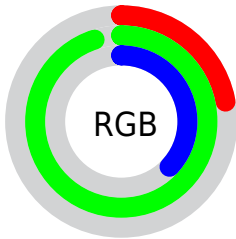
Format	Color
RYB	57, 211, 243
Decimal	3797855
CIELab	85.00, -73.90, 57.22
CIELCh	85, 93.465, 142.253
Yxy	66.0070, 0.2903, 0.5338
Android (android.graphics.Color)	4281987935 (0xFF39F35F)
YUV	170.5140, -37.2284, -99.5518
Hunter-Lab	81.2447, -63.2958, 40.9956

Details

The CIELCh color **85, 93.465, 142.253** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **58, 89.018, 336.371**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 68.492, 144.517**, and **66, 88.279, 138.678** is the 20% darker color. If you saturate the color by 10%, you get **85, 101.356, 140.564**, and if you desaturate by 10%, it is **86, 83.975, 143.866**.

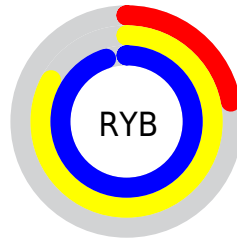
Distribution



Red (22%)

Green (95%)

Blue (37%)



Red (22%)

Yellow (83%)

Blue (95%)

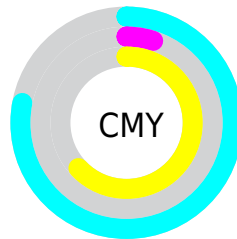


Cyan (77%)

Magenta (0%)

Yellow (61%)

Black (5%)



Cyan (78%)


Magenta (5%)


Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 93.465, 142.253 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, 93.465, 142.253 by changing the saturation by 10% instead.


 85, 93.465,
142.253


 85, 93.465,
142.253


 100, 93.465,
142.253


 75, 93.465,
142.253

 65, 93.465,
142.253

 55, 93.465,
142.253

 45, 93.465,
142.253

 35, 93.465,
142.253


 25, 93.465,
142.253


 15, 93.465,


142.253


 5, 93.465, 142.253


 0, 93.465, 142.253


 85, 93.465,
142.253


 85, 93.465,
142.253


 85, 101.356,
140.564

 86, 83.975,
143.866

 84, 107.449,
138.908

 87, 73.146,
145.340

 84, 109.077,
138.433

 88, 61.268,
146.650

 89, 48.642,
147.793

 91, 35.549,

148.783

 92, 22.237,
149.638

 94, 8.908, 150.393

 97, 4.282, 330.900

 97, 7.248, 324.651

Harmonies

Complementary

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



85, 93.465, 142.253



58, 89.018, 336.371

Rectangle

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



85, 93.465, 142.253



85, 93.465, 192.253



85, 93.465, 322.253



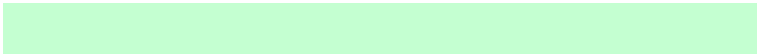
85, 93.465, 12.253

Sweetspot

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



85, 93.465, 142.253



95, 31.760, 149.112



91, 86.243, 113.796



50, 21.978, 148.788



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, 93.465, 142.253



88, 108.707, 139.642



86, 59.742, 166.238



50, 7.558, 150.192



66, 88.611, 138.714



21, 36.879, 141.568

Inverse Universe

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



58, 89.018, 336.371



58, 97.741, 337.927



55, 73.360, 10.614



48, 7.583, 331.358



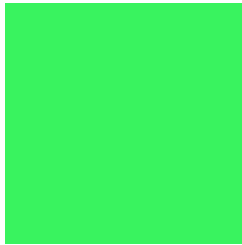
42, 77.686, 338.618



10, 35.254, 336.969

Previews

White Background



This preview shows how the CIE LCh color 85, 93.465, 142.253 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, 93.465, 142.253 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

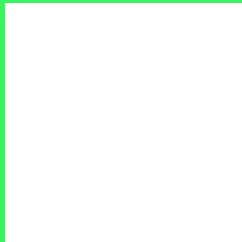
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 85, 93.465, 142.253

Background



This preview shows how black text looks on a background with the CIELCh color 85, 93.465, 142.253.

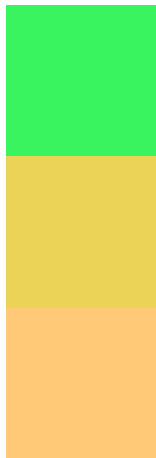


This preview shows how white text looks on a background with the CIELCh color 85, 93.465, 142.253.

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, 93.379, 142.195

Protanopia
84, 63.174, 95.701

Deuteranopia
84, 48.927, 78.398



Tritanopia
85, 34.098, 214.608

Trichromacy



Original Color
85, 93.379, 142.195



Protanomaly
83, 69.732, 122.816



Deuteranomaly
82, 55.488, 119.502

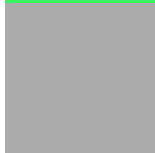


Tritanomaly
84, 49.103, 169.359

Monochromacy



Original Color
85, 93.379, 142.195



Achromatopsia
70, 0.009, 296.813



Achromatomaly
74, 38.596, 148.019

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 93.465, 142.253 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(57, 243, 95)` looks like.

```
.text, #text, p{  
    color:rgb(57, 243, 95)  
}
```

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(57, 243, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 243, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 93.465, 142.253 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(57, 243, 95) }
```

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

```
.border{ border-color:rgb(57, 243, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 243, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 243, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 243, 95);  
box-shadow:4px 4px 4px 4px rgb(57, 243,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 93.465, 142.253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 243, 95) }
```

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

```
.background{ background-color: rgb(57, 243,  
95) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor