

Converting Colors

CIELCh(82, 92.733, 138.529)

Have a look what the booklet for
CIELCh(82, 92.733, 138.529)
contains.

CIELCh(82, 92.809, 138.483)	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(82, 92.809, 138.483)

Conversions

Conversions Part 1

Format	Color
Hex	4CE94D
RGB	76, 233, 77
RGB Percent	30%, 91%, 30%
CMY	0.7024, 0.0866, 0.6983
CMYK	0.67, 0.00, 0.67, 0.09
HSL	120°, 78%, 61%
HSV	120°, 67%, 91%
XYZ	33.4245, 60.2982, 16.8835
YIQ	168.2730, -43.4960, -81.8000

Conversions

Conversions Part 2

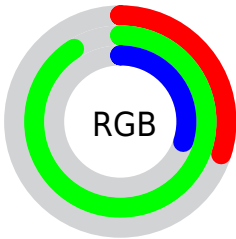
Format	Color
RYB	76, 232, 233
Decimal	5040461
CIELab	82.00, -69.49, 61.52
CIELCh	82, 92.809, 138.483
Yxy	60.2982, 0.3022, 0.5452
Android (android.graphics.Color)	4283230541 (0xFF4CE94D)
YUV	168.2730, -44.9976, -80.9234
Hunter-Lab	77.6519, -59.0572, 41.4652

Details

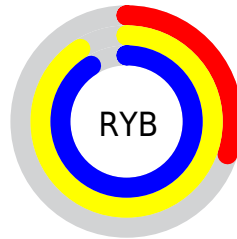
The CIELCh color **82, 92.809, 138.483** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **60, 91.244, 327.913**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 73.297, 138.822**, and **63, 90.052, 136.309** is the 20% darker color. If you saturate the color by 10%, you get **81, 101.766, 137.420**, and if you desaturate by 10%, it is **83, 81.652, 139.639**.

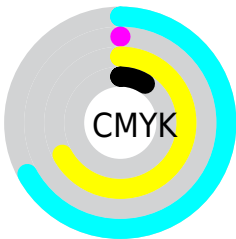
Distribution



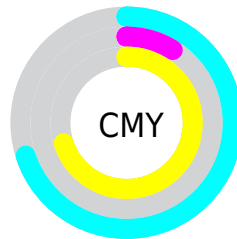
- Red (30%)
- Green (91%)
- Blue (30%)



- Red (30%)
- Yellow (91%)
- Blue (91%)



- Cyan (67%)
- Magenta (0%)
- Yellow (67%)
- Black (9%)




- Cyan (70%)
- Magenta (9%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 82, 92.809, 138.483 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 82, 92.809, 138.483 by changing the saturation by 10% instead.


 82, 92.809,
138.483


 82, 92.809,
138.483


 100, 92.809,
138.483


 72, 92.809,
138.483

 62, 92.809,
138.483

 52, 92.809,
138.483

 42, 92.809,
138.483

 32, 92.809,
138.483

 22, 92.809,
138.483

 12, 92.809,

138.483

■ 2, 92.809, 138.483

■ 0, 92.809, 138.483

■ 82, 92.809,
138.483

■ 82, 92.809,
138.483

■ 81, 101.766,
137.420

■ 83, 81.652,
139.639

■ 81, 107.970,
136.596

■ 84, 68.884,
140.770

■ 81, 111.191,
136.132


■ 85, 55.032,
141.808

■ 81, 111.739,
136.056


■ 87, 40.530,
142.726

■ 89, 25.729,

143.521

 91, 10.895,
144.210

 93, 3.777, 324.677

 95, 13.785,
324.898

Harmonies

Complementary

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



82, 92.809, 138.483



60, 91.244, 327.913

Rectangle

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



82, 92.809, 138.483



82, 92.809, 188.483



82, 92.809, 318.483



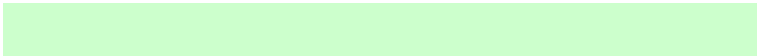
82, 92.809, 8.483

Sweetspot

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



82, 92.809, 138.484



95, 31.820, 143.319



90, 74.787, 104.071



50, 21.716, 143.098



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



82, 92.809, 138.484



88, 112.009, 137.054



83, 64.151, 155.574



48, 8.407, 144.075



64, 92.497, 136.071



18, 38.111, 138.388

Inverse Universe

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



60, 91.244, 327.913



62, 108.803, 328.273



57, 67.338, 352.227



46, 8.420, 325.117



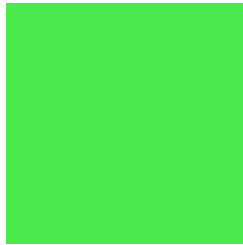
43, 88.907, 328.494



9, 38.101, 328.455

Previews

White Background



This preview shows how the CIE LCh color 82, 92.809, 138.483 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 82, 92.809, 138.483 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 82, 92.809, 138.483

Background



This preview shows how black text looks on a background with the CIELCh color 82, 92.809, 138.483.

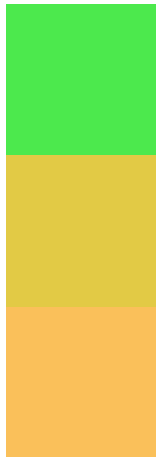


This preview shows how white text looks on a background with the CIELCh color 82, 92.809, 138.483.

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

82, 92.809, 138.483

Protanopia

81, 66.523, 95.170

Deuteranopia

81, 58.991, 79.838



Tritanopia
82, 30.293, 215.021

Trichromacy



Original Color
82, 92.809, 138.483



Protanomaly
80, 71.073, 118.366



Deuteranomaly
80, 61.660, 112.563



Tritanomaly
81, 45.888, 164.940

Monochromacy



Original Color
82, 92.809, 138.483



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 37.660, 142.389

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 92.809, 138.483 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(76, 233, 77)` looks like.

```
.text, #text, p{  
    color:rgb(76, 233, 77)  
}
```

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(76, 233, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 233, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 92.809, 138.483 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(76, 233, 77) }
```

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

```
.border{ border-color:rgb(76, 233, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 233, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 233, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 233, 77);  
box-shadow:4px 4px 4px 4px rgb(76, 233,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 92.809, 138.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 233, 77) }
```

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

```
.background{ background-color: rgb(76, 233,  
77) }
```

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