

Converting Colors

CIELCh(82, 93.579, 138.264)

Have a look what the booklet for
CIELCh(82, 93.579, 138.264)
contains.

CIELCh(82, 93.562, 138.298)	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, 93.562, 138.298)

Conversions

Conversions Part 1

Format	Color
Hex	4BE94B
RGB	75, 233, 75
RGB Percent	29%, 91%, 29%
CMY	0.7058, 0.0862, 0.7058
CMYK	0.68, 0.00, 0.68, 0.09
HSL	120°, 78%, 60%
HSV	120°, 68%, 91%
XYZ	33.3214, 60.2982, 16.5440
YIQ	167.7460, -43.4500, -82.6340

Conversions

Conversions Part 2

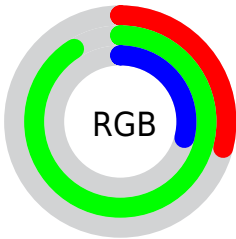
Format	Color
RYB	75, 233, 233
Decimal	4974923
CIELab	82.00, -69.85, 62.24
CIELCh	82, 93.562, 138.298
Yxy	60.2982, 0.3025, 0.5474
Android (android.graphics.Color)	4283165003 (0xFF4BE94B)
YUV	167.7460, -45.7238, -81.3382
Hunter-Lab	77.6519, -59.2942, 41.7244

Details

The CIELCh color **82, 93.562, 138.298** 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, 92.035, 327.718**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **91, 74.264, 138.602**, and **63, 90.589, 136.065** is the 20% darker color. If you saturate the color by 10%, you get **81, 102.386, 137.267**, and if you desaturate by 10%, it is **83, 82.471, 139.438**.

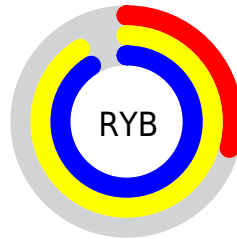
Distribution



Red (29%)

Green (91%)

Blue (29%)



Red (29%)

Yellow (91%)

Blue (91%)

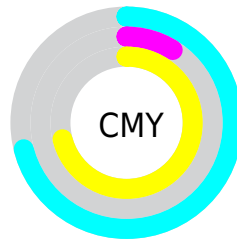


Cyan (68%)

Magenta (0%)

Yellow (68%)

Black (9%)



Cyan (71%)


Magenta (9%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 82, 93.562, 138.298 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, 93.562, 138.298 by changing the saturation by 10% instead.


 82, 93.562,
138.298


 82, 93.562,
138.298


 100, 93.562,
138.298


 72, 93.562,
138.298

 62, 93.562,
138.298

 52, 93.562,
138.298

 42, 93.562,
138.298

 32, 93.562,
138.298

 22, 93.562,
138.298

 12, 93.562,

138.298

■ 2, 93.562, 138.298

■ 0, 93.562, 138.298

■ 82, 93.562,
138.298

■ 82, 93.562,
138.298

■ 81, 102.386,
137.267

■ 83, 82.471,
139.438

■ 81, 108.389,
136.495

■ 84, 69.718,
140.563

■ 81, 111.418,
136.081


■ 85, 55.843,
141.602

■ 81, 111.887,
136.016


■ 87, 41.294,
142.522

■ 89, 26.428,

143.320

 91, 11.520,
144.011

 93, 3.232, 324.470

 95, 13.717,
324.896

Harmonies

Complementary

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



82, 93.562, 138.298



60, 92.035, 327.718

Rectangle

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



82, 93.562, 138.298



82, 93.562, 188.298



82, 93.562, 318.298



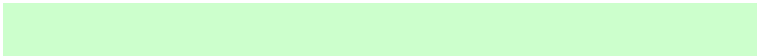
82, 93.562, 8.298

Sweetspot

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



82, 93.562, 138.299



95, 31.961, 143.148



89, 74.167, 103.212



50, 21.813, 142.927



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, 93.562, 138.299



88, 112.291, 136.952



83, 65.464, 154.666



48, 8.445, 143.902



64, 92.620, 136.016



18, 38.236, 138.276

Inverse Universe

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



60, 92.035, 327.718



62, 109.303, 328.046



57, 68.130, 351.167



46, 8.457, 324.942



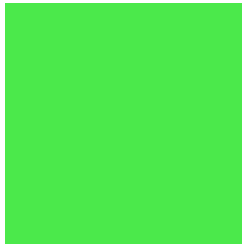
43, 89.364, 328.233



9, 38.267, 328.233

Previews

White Background



This preview shows how the CIE LCh color 82, 93.562, 138.298 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, 93.562, 138.298 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

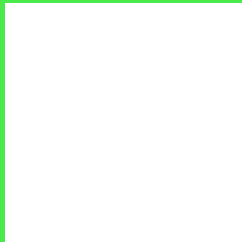
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 82, 93.562, 138.298

Background



This preview shows how black text looks on a background with the CIELCh color 82, 93.562, 138.298.

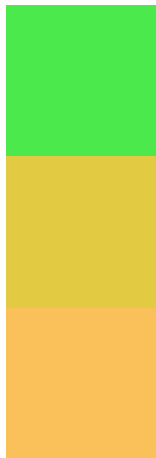


This preview shows how white text looks on a background with the CIELCh color 82, 93.562, 138.298.

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, 93.562, 138.298

Protanopia
81, 67.279, 95.197

Deuteranopia
81, 59.414, 79.970



Tritanopia
82, 30.503, 214.885

Trichromacy



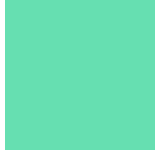
Original Color
82, 93.562, 138.298



Protanomaly
80, 71.806, 118.170



Deuteranomaly
79, 62.144, 112.855



Tritanomaly
81, 46.425, 164.548

Monochromacy



Original Color
82, 93.562, 138.298



Achromatopsia
69, 0.009, 296.813



Achromatomaly
73, 38.314, 142.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 82, 93.562, 138.298 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(75, 233, 75)` looks like.

```
.text, #text, p{  
    color:rgb(75, 233, 75)  
}
```

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(75, 233, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 233, 75) }
```

Border

The CSS property to change the border of an element to CIELCh 82, 93.562, 138.298 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(75, 233, 75) }
```

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

```
.border{ border-color:rgb(75, 233, 75) }
```

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

Here you see how a box with a 4 pixel rgb(75, 233, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 233, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 233, 75);  
box-shadow:4px 4px 4px 4px rgb(75, 233,  
75) }
```

Background

The CSS property to change the background color of an element to CIELCh 82, 93.562, 138.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 233, 75) }
```

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

```
.background{ background-color: rgb(75, 233,  
75) }
```

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