

Converting Colors

CIELCh(90, 92.531, 136.229)

Have a look what the booklet for
CIELCh(90, 92.531, 136.229)
contains.

CIELCh(90, 92.531, 136.229)	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(90, 92.531, 136.229)

Conversions

Conversions Part 1

Format	Color
Hex	74FF5D
RGB	116, 255, 93
RGB Percent	45%, 100%, 36%
CMY	0.5435, 0.0000, 0.6338
CMYK	0.54, 0.00, 0.63, 0.00
HSL	111°, 100%, 68%
HSV	111°, 63%, 100%
XYZ	45.1321, 76.3034, 22.7901
YIQ	194.9710, -30.8420, -79.8500

Conversions

Conversions Part 2

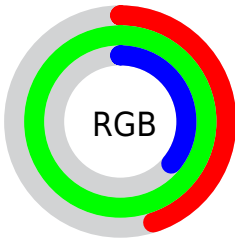
Format	Color
RYB	93, 255, 232
Decimal	7667549
CIELab	90.00, -66.82, 64.01
CIELCh	90, 92.531, 136.229
Yxy	76.3034, 0.3129, 0.5291
Android (android.graphics.Color)	4285857629 (0xFF74FF5D)
YUV	194.9710, -50.2717, -69.2576
Hunter-Lab	87.3518, -60.6399, 45.6775

Details

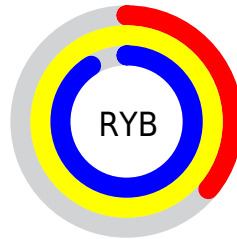
The CIELCh color **90, 92.531, 136.229** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **64, 93.039, 323.086**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 60.528, 134.402**, and **70, 92.477, 136.201** is the 20% darker color. If you saturate the color by 10%, you get **89, 103.191, 135.592**, and if you desaturate by 10%, it is **91, 79.627, 136.991**.

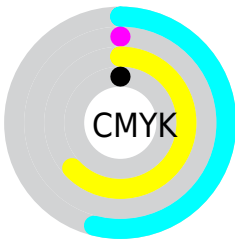
Distribution



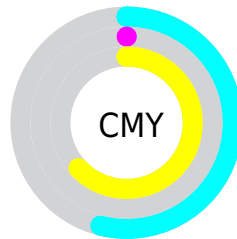
- Red (45%)
- Green (100%)
- Blue (36%)



- Red (36%)
- Yellow (100%)
- Blue (91%)



- Cyan (54%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 92.531, 136.229 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 90, 92.531, 136.229 by changing the saturation by 10% instead.


 90, 92.531,
136.229


 90, 92.531,
136.229


 100, 92.531,
136.229


 80, 92.531,
136.229


 70, 92.531,
136.229

 60, 92.531,
136.229


 50, 92.531,
136.229

 40, 92.531,
136.229


 30, 92.531,
136.229


 20, 92.531,


136.229


 10, 92.531,
136.229


 0, 92.531, 136.229


 90, 92.531,
136.229


 90, 92.531,
136.229


 89, 103.191,
135.592


 91, 79.627,
136.991


 88, 111.499,
135.220

 92, 65.645,
137.781

 88, 116.762,
135.224

 94, 50.880,
138.534

 88, 118.734,
135.375

 95, 35.700,
139.219

■ 97, 20.378,
139.829

■ 99, 5.115, 140.392

100, 0.012,
296.813

Harmonies

Complementary

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



90, 92.531, 136.229



64, 93.039, 323.086

Rectangle

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



90, 92.531, 136.229



90, 92.531, 186.229



90, 92.531, 316.229



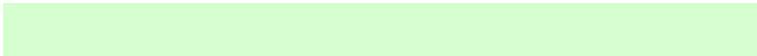
90, 92.531, 6.229

Sweetspot

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



90, 92.344, 136.227



96, 28.986, 139.496



91, 68.093, 95.996



51, 19.960, 139.317



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



90, 92.344, 136.227



89, 105.636, 135.464



90, 74.788, 149.434



52, 8.638, 140.047



68, 95.479, 135.255



23, 42.696, 134.807

Inverse Universe

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



64, 93.039, 323.086



59, 105.688, 323.214



64, 74.900, 342.275



50, 8.675, 320.926



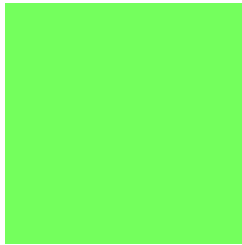
41, 94.141, 322.756



10, 43.225, 323.391

Previews

White Background



This preview shows how the CIE LCh color 90, 92.531, 136.229 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 90, 92.531, 136.229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

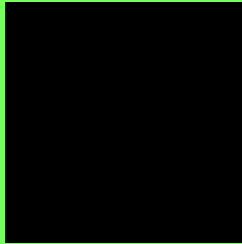
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

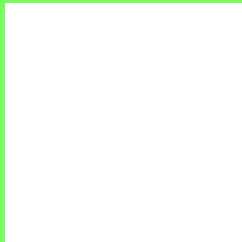
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 92.531, 136.229

Background



This preview shows how black text looks on a background with the CIELCh color 90, 92.531, 136.229.

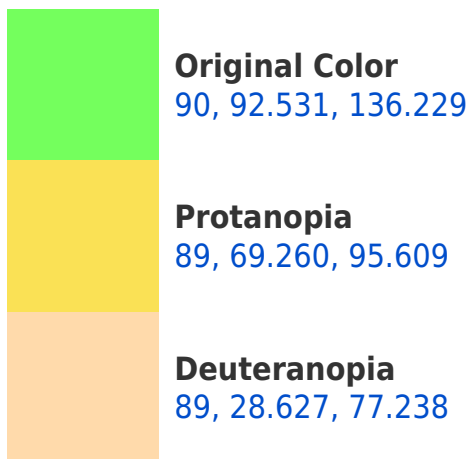


This preview shows how white text looks on a background with the CIELCh color 90, 92.531, 136.229.

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



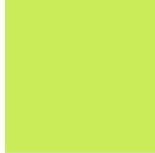


Tritanopia
89, 25.392, 219.826

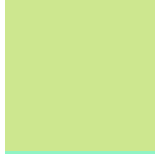
Trichromacy



Original Color
90, 92.531, 136.229



Protanomaly
89, 72.958, 115.719



Deuteranomaly
88, 45.940, 119.402

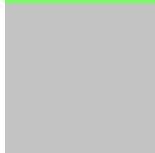


Tritanomaly
89, 42.263, 160.582

Monochromacy



Original Color
90, 92.531, 136.229



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 36.494, 139.171

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 92.531, 136.229 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(116, 255, 93)` looks like.

```
.text, #text, p{  
    color:rgb(116, 255, 93)  
}
```

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(116, 255, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 255, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 92.531, 136.229 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(116, 255, 93) }
```

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

```
.border{ border-color:rgb(116, 255, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 255, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 255, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 255, 93);  
box-shadow:4px 4px 4px 4px rgb(116, 255,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 92.531, 136.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 255, 93) }
```

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

```
.background{ background-color: rgb(116,  
255, 93) }
```

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