

Converting Colors

CIELCh(90, 102.936, 132.661)

Have a look what the booklet for
CIELCh(90, 102.936, 132.661)
contains.

CIELCh(90, 102.404, 132.564)	3
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Color

CIELCh(90, 102.404, 132.564)

Conversions

Conversions Part 1

Format	Color
Hex	75FF3D
RGB	117, 255, 61
RGB Percent	46%, 100%, 24%
CMY	0.5407, 0.0000, 0.7601
CMYK	0.54, 0.00, 0.76, 0.00
HSL	103°, 100%, 62%
HSV	103°, 76%, 100%
XYZ	44.2871, 76.3034, 16.8308
YIQ	191.6220, -19.9740, -89.5900

Conversions

Conversions Part 2

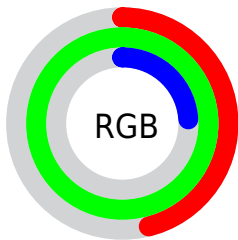
Format	Color
RYB	61, 255, 199
Decimal	7733053
CIELab	90.00, -69.27, 75.42
CIELCh	90, 102.404, 132.564
Yxy	76.3034, 0.3223, 0.5553
Android (android.graphics.Color)	4285923133 (0xFF75FF3D)
YUV	191.6220, -64.3966, -65.4435
Hunter-Lab	87.3518, -62.3666, 49.7224

Details

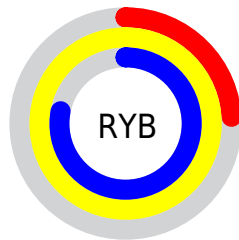
The CIELCh color **90, 102.404, 132.564** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **55, 106.132, 318.584**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 71.502, 128.855**, and **70, 96.766, 134.597** is the 20% darker color. If you saturate the color by 10%, you get **89, 109.728, 132.689**, and if you desaturate by 10%, it is **90, 91.719, 132.732**.

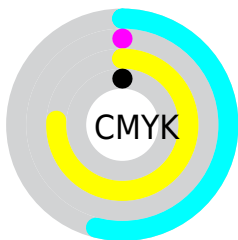
Distribution



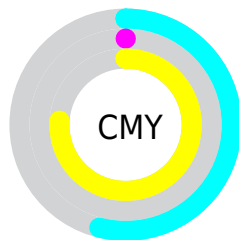
- Red (46%)
- Green (100%)
- Blue (24%)



- Red (24%)
- Yellow (100%)
- Blue (78%)



- Cyan (54%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 102.404, 132.564 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, 102.404, 132.564 by changing the saturation by 10% instead.


 90, 102.404,
132.564


 90, 102.404,
132.564


 100, 102.404,
132.564


 80, 102.404,
132.564


 70, 102.404,
132.564

 60, 102.404,
132.564

 50, 102.404,
132.564

 40, 102.404,
132.564

 30, 102.404,
132.564

 20, 102.404,

132.564

■ 10, 102.404,
132.564

■ 0, 102.404,
132.564

■ 90, 102.404,
132.564

■ 90, 102.404,
132.564

■ 89, 109.728,
132.689

■ 90, 91.719,
132.732

■ 89, 114.652,
133.294

■ 91, 79.676,
133.163

■ 88, 116.017,
133.593

■ 93, 66.412,
133.707

■ 94, 52.392,
134.283

■ 95, 37.954,
134.846

■ 97, 23.340,
135.371

■ 99, 8.726, 135.858

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, 102.404, 132.564



55, 106.132, 318.584

Rectangle

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



90, 102.404, 132.564



90, 102.404, 182.564



90, 102.404, 312.564



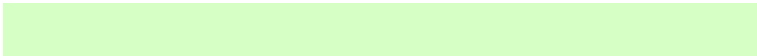
90, 102.404, 2.564

Sweetspot

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



90, 101.949, 132.530



96, 33.559, 135.009



83, 71.992, 83.172



51, 23.224, 134.813



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, 101.949, 132.530



89, 112.544, 132.935



89, 96.831, 142.124



52, 8.266, 135.690



68, 93.200, 133.382



23, 41.435, 132.321

Inverse Universe

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



55, 106.132, 318.584



50, 116.623, 318.120



61, 92.361, 335.965



50, 8.331, 316.476



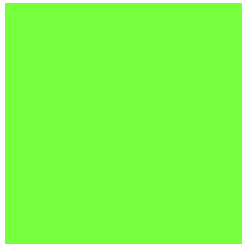
36, 96.263, 317.700



8, 44.016, 318.836

Previews

White Background



This preview shows how the CIE LCh color 90, 102.404, 132.564 looks on a white background.

Color Contrast Check

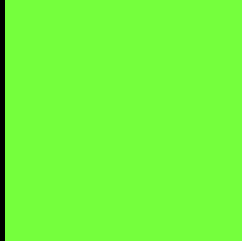
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 102.404, 132.564 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

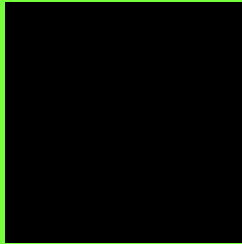
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

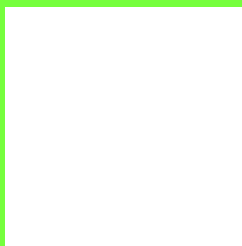
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 102.404, 132.564

Background



This preview shows how black text looks on a background with the CIELCh color 90, 102.404, 132.564.

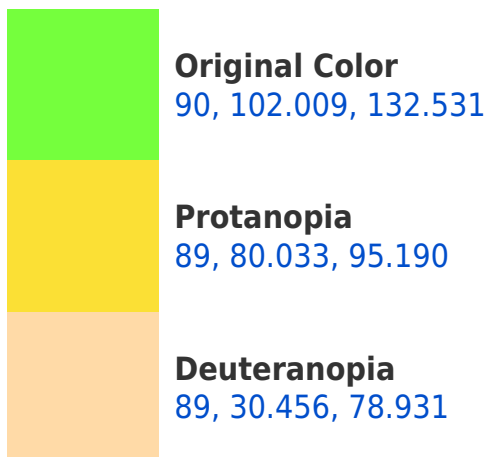


This preview shows how white text looks on a background with the CIELCh color 90, 102.404, 132.564.

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](#).

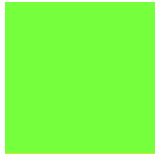
Dichromacy



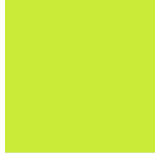


Tritanopia
89, 25.635, 219.595

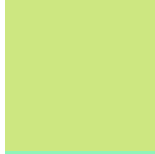
Trichromacy



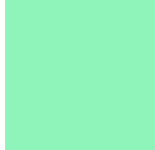
Original Color
90, 102.009, 132.531



Protanomaly
88, 83.272, 113.031

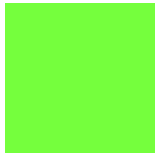


Deuteranomaly
88, 52.527, 117.369

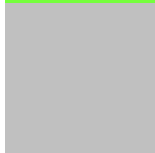


Tritanomaly
89, 46.482, 155.405

Monochromacy



Original Color
90, 102.009, 132.531



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 41.802, 134.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 102.404, 132.564 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(117, 255, 61)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 61)  
}
```

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(117, 255, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 102.404, 132.564 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(117, 255, 61) }
```

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

```
.border{ border-color:rgb(117, 255, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 255, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 61);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 102.404, 132.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 255, 61) }
```

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

```
.background{ background-color: rgb(117,  
255, 61) }
```

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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