

Converting Colors

CIELCh(100, 109.788, 135.852)

Have a look what the booklet for
CIELCh(100, 109.788, 135.852)
contains.

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Color

CIELCh(90, 93.722, 135.572)

Conversions

Conversions Part 1

Format	Color
Hex	75FF59
RGB	117, 255, 89
RGB Percent	46%, 100%, 35%
CMY	0.5395, 0.0000, 0.6495
CMYK	0.54, 0.00, 0.65, 0.00
HSL	110°, 100%, 68%
HSV	110°, 65%, 100%
XYZ	45.0932, 76.3034, 21.8837
YIQ	194.8140, -28.9620, -80.8820

Conversions

Conversions Part 2

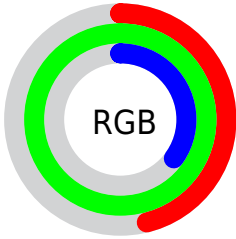
Format	Color
RYB	89, 255, 227
Decimal	7733081
CIELab	90.00, -66.93, 65.61
CIELCh	90, 93.722, 135.572
Yxy	76.3034, 0.3147, 0.5325
Android (android.graphics.Color)	4285923161 (0xFF75FF59)
YUV	194.8140, -52.1663, -68.2429
Hunter-Lab	87.3518, -60.7194, 46.2927

Details

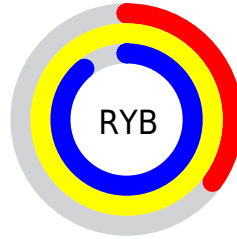
The CIELCh color **90, 93.722, 135.572** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted chartreuse. A complement of this color would be **62, 94.674, 322.273**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 62.057, 133.273**, and **70, 93.685, 135.581** is the 20% darker color. If you saturate the color by 10%, you get **89, 104.050, 135.042**, and if you desaturate by 10%, it is **91, 81.099, 136.256**.

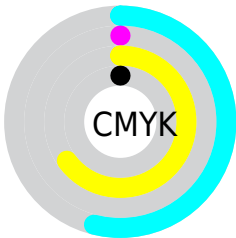
Distribution



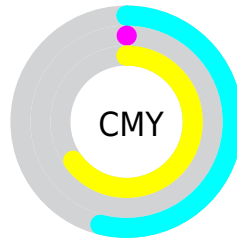
- Red (46%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (89%)



- Cyan (54%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (54%)
- Magenta (0%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 93.722, 135.572 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, 93.722, 135.572 by changing the saturation by 10% instead.


 90, 93.722,
135.572


 90, 93.722,
135.572


 100, 93.722,
135.572


 80, 93.722,
135.572

 70, 93.722,
135.572

 60, 93.722,
135.572


 50, 93.722,
135.572

 40, 93.722,
135.572


 30, 93.722,
135.572


 20, 93.722,


135.572


 10, 93.722,
135.572


 0, 93.722, 135.572


 90, 93.722,
135.572


 90, 93.722,
135.572


 89, 104.050,
135.042


 91, 81.099,
136.256

 89, 111.977,
134.813

 92, 67.351,
136.995

 88, 116.865,
134.979

 93, 52.786,
137.717

 88, 118.370,
135.147

 95, 37.773,
138.384

■ 97, 22.589,
138.982

■ 99, 7.436, 139.525

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, 93.722, 135.572



62, 94.674, 322.273

Rectangle

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



90, 93.722, 135.572



90, 93.722, 185.572



90, 93.722, 315.572



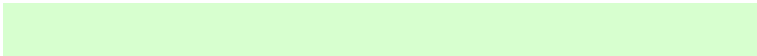
90, 93.722, 5.572

Sweetspot

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



90, 93.537, 135.568



96, 28.742, 138.748



90, 67.827, 93.621



51, 19.792, 138.576



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, 93.537, 135.568



89, 106.768, 134.935



90, 78.434, 147.886



52, 8.566, 139.281



68, 95.166, 135.009



23, 42.495, 134.434

Inverse Universe

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



62, 94.674, 322.273



58, 107.354, 322.336



64, 77.801, 340.674



50, 8.608, 320.137



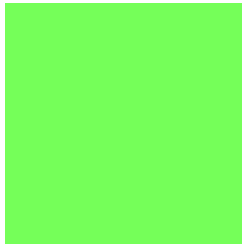
40, 94.458, 321.781



10, 43.343, 322.522

Previews

White Background



This preview shows how the CIE LCh color 90, 93.722, 135.572 looks on a white background.

Color Contrast Check

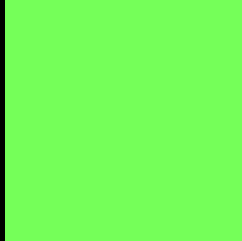
Large Text (above 18pt) WCAG AA × Fail

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, 93.722, 135.572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

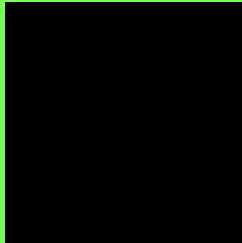
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

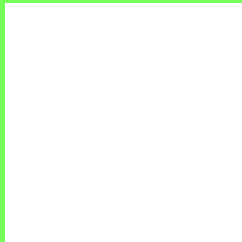
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 93.722, 135.572

Background



This preview shows how black text looks on a background with the CIELCh color 90, 93.722, 135.572.

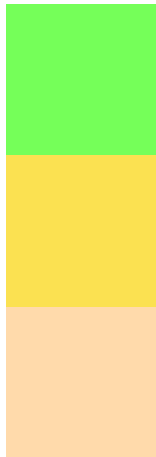


This preview shows how white text looks on a background with the CIELCh color 90, 93.722, 135.572.

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

90, 93.722, 135.572

Protanopia

89, 70.893, 95.318

Deuteranopia

89, 28.627, 77.238

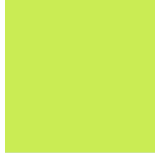


Tritanopia
90, 25.148, 220.061

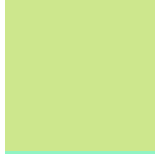
Trichromacy



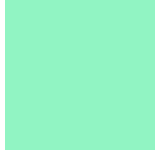
Original Color
90, 93.722, 135.572



Protanomaly
89, 74.395, 115.086

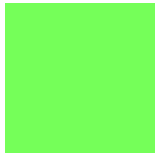


Deuteranomaly
88, 46.890, 119.083

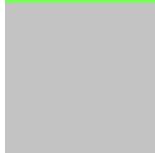


Tritanomaly
89, 42.387, 159.846

Monochromacy



Original Color
90, 93.722, 135.572



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 36.747, 138.299

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 93.722, 135.572 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, 89)` looks like.

```
.text, #text, p{  
    color:rgb(117, 255, 89)  
}
```

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, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 255, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 93.722, 135.572 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, 89) }
```

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

```
.border{ border-color:rgb(117, 255, 89) }
```

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, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 255, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 255, 89);  
box-shadow:4px 4px 4px 4px rgb(117, 255,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 93.722, 135.572 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, 89) }
```

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

```
.background{ background-color: rgb(117,  
255, 89) }
```

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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