

Converting Colors

CIELCh(90, 103.824, 131.220)

Have a look what the booklet for
CIELCh(90, 103.824, 131.220)
contains.

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Color

CIELCh(90, 103.470, 131.179)

Conversions

Conversions Part 1

Format	Color
Hex	7BFF35
RGB	123, 255, 53
RGB Percent	48%, 100%, 21%
CMY	0.5192, 0.0000, 0.7934
CMYK	0.52, 0.00, 0.79, 0.00
HSL	99°, 100%, 60%
HSV	99°, 79%, 100%
XYZ	44.6795, 76.3034, 15.7023
YIQ	192.5040, -13.8300, -90.8060

Conversions

Conversions Part 2

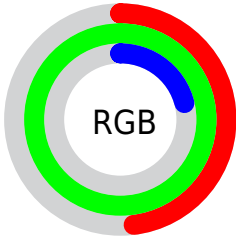
Format	Color
RYB	53, 255, 185
Decimal	8126261
CIELab	90.00, -68.13, 77.88
CIELCh	90, 103.470, 131.179
Yxy	76.3034, 0.3269, 0.5582
Android (android.graphics.Color)	4286316341 (0xFF7BFF35)
YUV	192.5040, -68.7755, -60.9550
Hunter-Lab	87.3518, -61.5648, 50.4883

Details

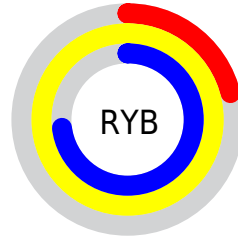
The CIELCh color **90, 103.470, 131.179** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **52, 109.567, 316.828**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 73.041, 126.448**, and **70, 95.899, 133.897** is the 20% darker color. If you saturate the color by 10%, you get **89, 110.080, 131.594**, and if you desaturate by 10%, it is **91, 93.826, 131.136**.

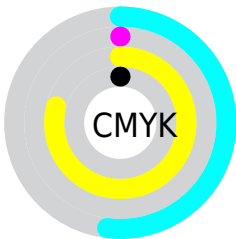
Distribution



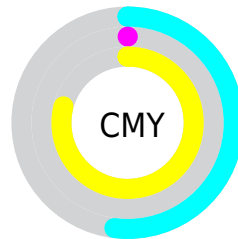
- Red (48%)
- Green (100%)
- Blue (21%)



- Red (21%)
- Yellow (100%)
- Blue (73%)



- Cyan (52%)
- Magenta (0%)
- Yellow (79%)
- Black (0%)





- Cyan (52%)
- Magenta (0%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 103.470, 131.179 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, 103.470, 131.179 by changing the saturation by 10% instead.


 90, 103.470,
131.179


 90, 103.470,
131.179


 100, 103.470,
131.179


 80, 103.470,
131.179

 70, 103.470,
131.179

 60, 103.470,
131.179


 50, 103.470,
131.179


 40, 103.470,
131.179


 30, 103.470,
131.179


 20, 103.470,


131.179


 10, 103.470,
131.179


 0, 103.470,
131.179


 90, 103.470,
131.179


 90, 103.470,
131.179


 89, 110.080,
131.594


 91, 93.826,
131.136

 89, 114.271,
132.461

 91, 82.455,
131.411

 89, 114.502,
132.518

 93, 69.732,
131.854

 94, 56.149,
132.370

■ 95, 42.068,
132.901

■ 97, 27.745,
133.412

■ 98, 13.362,
133.891

■ 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, 103.470, 131.179



52, 109.567, 316.828

Rectangle

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



90, 103.470, 131.179



90, 103.470, 181.179



90, 103.470, 311.179



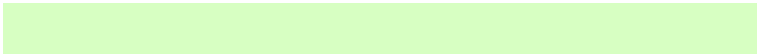
90, 103.470, 1.179

Sweetspot

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



90, 103.230, 131.155



96, 34.438, 133.177



80, 73.094, 78.289



51, 23.649, 132.993



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, 103.230, 131.155



89, 112.711, 132.054



88, 102.998, 140.224



52, 8.135, 133.883



68, 91.964, 132.279



23, 40.847, 131.031

Inverse Universe

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



52, 109.567, 316.828



47, 119.325, 316.132



61, 97.519, 333.902



49, 8.212, 314.659



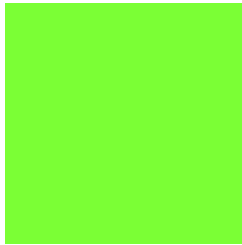
34, 97.312, 315.942



8, 44.395, 317.208

Previews

White Background



This preview shows how the CIE LCh color 90, 103.470, 131.179 looks on a white background.

Color Contrast Check

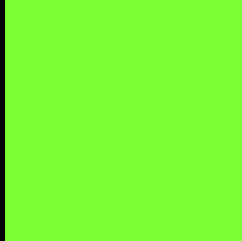
Large Text (above 18pt) WCAG AA × Fail

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, 103.470, 131.179 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

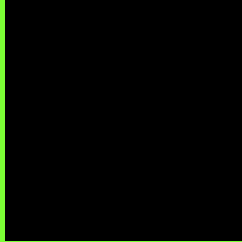
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 103.470, 131.179

Background



This preview shows how black text looks on a background with the CIELCh color 90, 103.470, 131.179.

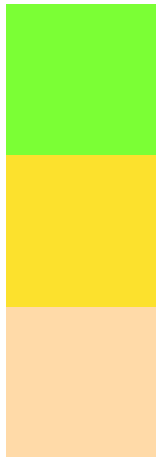


This preview shows how white text looks on a background with the CIELCh color 90, 103.470, 131.179.

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, 103.100, 131.126

Protanopia

89, 82.491, 95.256

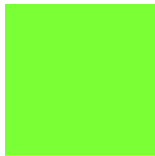
Deuteranopia

89, 29.996, 78.529



Tritanopia
90, 24.657, 220.549

Trichromacy



Original Color

90, 103.100, 131.126



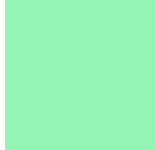
Protanomaly

89, 85.589, 112.064



Deuteranomaly

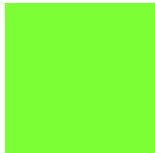
88, 53.754, 116.165



Tritanomaly

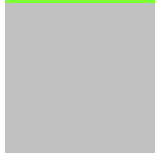
89, 46.917, 152.553

Monochromacy



Original Color

90, 103.100, 131.126



Achromatopsia

78, 0.009, 296.813



Achromatomaly

81, 42.829, 132.466

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 103.470, 131.179 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(123, 255, 53)` looks like.

```
.text, #text, p{  
    color:rgb(123, 255, 53)  
}
```

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(123, 255, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 255, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 103.470, 131.179 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(123, 255, 53) }
```

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

```
.border{ border-color:rgb(123, 255, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 255, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 255, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 255, 53);  
box-shadow:4px 4px 4px 4px rgb(123, 255,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 103.470, 131.179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 255, 53) }
```

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

```
.background{ background-color: rgb(123,  
255, 53) }
```

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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