

Converting Colors

CIELCh(90, 102.833, 130.321)

Have a look what the booklet for
CIELCh(90, 102.833, 130.321)
contains.

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Color

CIELCh(90, 102.833, 130.321)

Conversions

Conversions Part 1

Format	Color
Hex	80FF33
RGB	128, 255, 51
RGB Percent	50%, 100%, 20%
CMY	0.4983, 0.0002, 0.8003
CMYK	0.50, 0.00, 0.80, 0.00
HSL	97°, 100%, 60%
HSV	97°, 80%, 100%
XYZ	45.2285, 76.3034, 15.4674
YIQ	193.7710, -10.2080, -90.3680

Conversions

Conversions Part 2

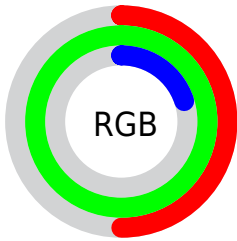
Format	Color
RYB	51, 255, 178
Decimal	8453939
CIELab	90.00, -66.54, 78.40
CIElCh	90, 102.833, 130.321
Yxy	76.3034, 0.3301, 0.5570
Android (android.graphics.Color)	4286644019 (0xFF80FF33)
YUV	193.7710, -70.3861, -57.6812
Hunter-Lab	87.3518, -60.4429, 50.6478

Details

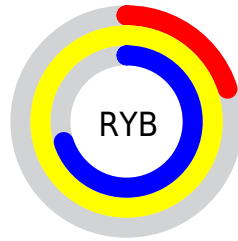
The CIELCh color **90, 102.833, 130.321** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **51, 110.472, 315.887**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **93, 73.281, 125.139**, and **70, 95.087, 133.216** is the 20% darker color. If you saturate the color by 10%, you get **89, 109.464, 130.858**, and if you desaturate by 10%, it is **91, 93.651, 130.224**.

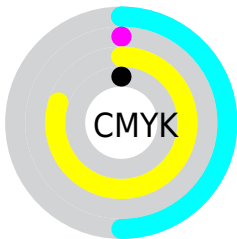
Distribution



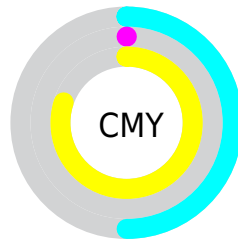
- Red (50%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (70%)



- Cyan (50%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (50%)
- Magenta (0%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 102.833, 130.321 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, 102.833, 130.321 by changing the saturation by 10% instead.


 90, 102.833,
130.321


 90, 102.833,
130.321


 100, 102.833,
130.321


 80, 102.833,
130.321


 70, 102.833,
130.321

 60, 102.833,
130.321


 50, 102.833,
130.321


 40, 102.833,
130.321


 30, 102.833,
130.321


 20, 102.833,


130.321


 10, 102.833,
130.321


 0, 102.833,
130.321


 90, 102.833,
130.321


 90, 102.833,
130.321


 89, 109.464,
130.858

 91, 93.651,
130.224

 89, 113.536,
131.811

 92, 82.488,
130.439

 93, 69.956,
130.839

 94, 56.551,
131.327

■ 95, 42.635,
131.840

■ 97, 28.464,
132.342

■ 98, 14.216,
132.817

100, 0.020,
142.847

100, 0.046,
317.621

Harmonies

Complementary

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



90, 102.833, 130.321



51, 110.472, 315.887

Rectangle

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



90, 102.833, 130.321



90, 102.833, 180.321



90, 102.833, 310.321



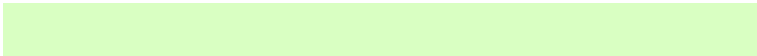
90, 102.833, 0.321

Sweetspot

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



90, 102.833, 130.322



96, 34.126, 132.145



78, 72.997, 75.203



51, 23.433, 131.965



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, 102.833, 130.322



89, 112.126, 131.411



88, 105.567, 139.314



52, 8.065, 132.841



69, 91.197, 131.558



23, 40.500, 130.222

Inverse Universe

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



51, 110.472, 315.887



46, 120.385, 315.128



61, 100.165, 332.484



49, 8.149, 313.618



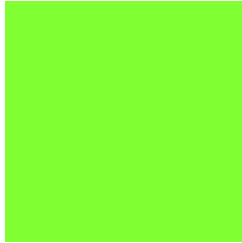
33, 97.942, 315.013



7, 44.567, 316.305

Previews

White Background



This preview shows how the CIE LCh color 90, 102.833, 130.321 looks on a white background.

Color Contrast Check

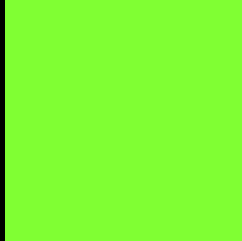
Large Text (above 18pt) WCAG AA × Fail

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, 102.833, 130.321 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

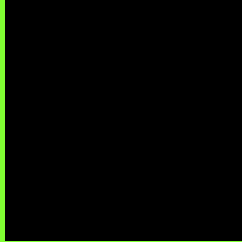
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

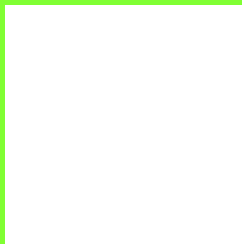
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 102.833, 130.321

Background



This preview shows how black text looks on a background with the CIELCh color 90, 102.833, 130.321.



This preview shows how white text looks on a background with the CIELCh color 90, 102.833, 130.321.

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, 102.833, 130.321

Protanopia

89, 83.047, 94.966

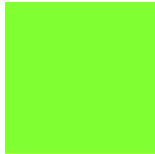
Deuteranopia

89, 29.301, 78.803



Tritanopia
90, 23.915, 221.326

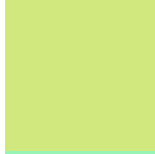
Trichromacy



Original Color
90, 102.833, 130.321



Protanomaly
89, 85.877, 111.174

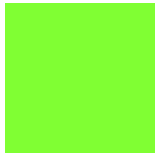


Deuteranomaly
88, 53.648, 115.763

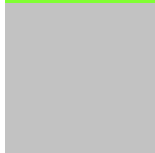


Tritanomaly
89, 46.048, 151.602

Monochromacy



Original Color
90, 102.833, 130.321



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 42.459, 131.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 102.833, 130.321 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(128, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(128, 255, 51)  
}
```

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(128, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 255, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 102.833, 130.321 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(128, 255, 51) }
```

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

```
.border{ border-color:rgb(128, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(128, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(128, 255,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 102.833, 130.321 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 255, 51) }
```

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

```
.background{ background-color: rgb(128,  
255, 51) }
```

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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