

Converting Colors

CIELCh(100, 90.947, 130.101)

Have a look what the booklet for
CIELCh(100, 90.947, 130.101)
contains.

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Color

CIELCh(93, 77.295, 127.912)

Conversions

Conversions Part 1

Format	Color
Hex	B1FF6E
RGB	177, 255, 110
RGB Percent	69%, 100%, 43%
CMY	0.3042, 0.0000, 0.5673
CMYK	0.30, 0.00, 0.57, 0.00
HSL	92°, 100%, 72%
HSV	92°, 57%, 100%
XYZ	57.2790, 82.9670, 27.8455
YIQ	215.1480, 0.0570, -61.6310

Conversions

Conversions Part 2

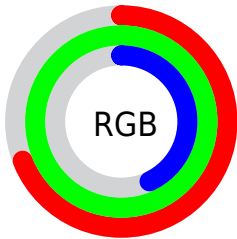
Format	Color
RYB	110, 255, 188
Decimal	11665262
CIELab	93.00, -47.49, 60.98
CIELCh	93, 77.295, 127.912
Yxy	82.9670, 0.3408, 0.4936
Android (android.graphics.Color)	4289855342 (0xFFB1FF6E)
YUV	215.1480, -51.8380, -33.4558
Hunter-Lab	91.0862, -47.1523, 45.6351

Details

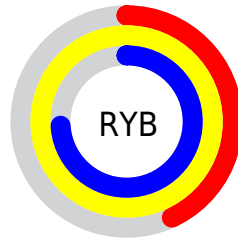
The CIELCh color **93, 77.295, 127.912** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **61, 82.722, 313.049**, and the grayscale version is **86, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 45.615, 116.031**, and **73, 76.939, 127.726** is the 20% darker color. If you saturate the color by 10%, you get **92, 87.930, 127.556**, and if you desaturate by 10%, it is **94, 64.023, 128.146**.

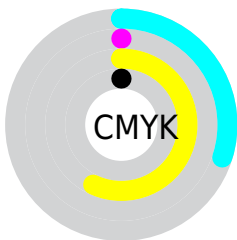
Distribution



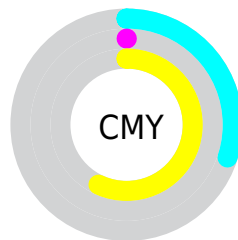
- Red (69%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)




- Cyan (30%)
- Magenta (0%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 77.295, 127.912 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 93, 77.295, 127.912 by changing the saturation by 10% instead.


 93, 77.295,
127.912


 93, 77.295,
127.912


 100, 77.295,
127.912


 83, 77.295,
127.912

 73, 77.295,
127.912

 63, 77.295,
127.912

 53, 77.295,
127.912

 43, 77.295,
127.912

 33, 77.295,
127.912

 23, 77.295,

127.912

■ 13, 77.295,
127.912

■ 3, 77.295, 127.912

■ 93, 77.295,
127.912

■ 93, 77.295,
127.912

■ 92, 87.930,
127.556

■ 94, 64.023,
128.146

■ 91, 97.579,
127.634

■ 95, 50.770,
128.609

■ 90, 104.902,
128.133

■ 96, 37.105,
129.099

■ 90, 109.567,
129.134

■ 97, 23.240,
129.585

■ 90, 110.719,
129.512

■ 99, 9.324, 130.054
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.



93, 77.295, 127.912



61, 82.722, 313.049

Rectangle

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



93, 77.295, 127.912



93, 77.295, 177.912



93, 77.295, 307.912



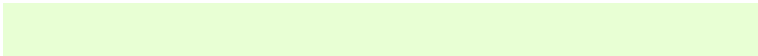
93, 77.295, 357.912

Sweetspot

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



93, 76.555, 127.766



97, 23.621, 129.572



81, 50.797, 71.416



52, 15.800, 129.476



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



93, 76.555, 127.766



92, 89.268, 127.547



90, 85.488, 140.345



52, 7.889, 129.925



69, 88.920, 129.233



23, 39.522, 127.724

Inverse Universe

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



61, 82.722, 313.049



54, 97.946, 313.420



69, 84.574, 328.361



49, 7.991, 310.732



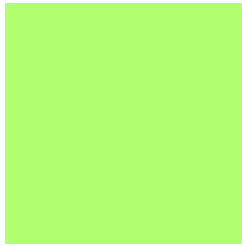
31, 99.747, 312.728



6, 44.848, 313.883

Previews

White Background



This preview shows how the CIELCh color 93, 77.295, 127.912 looks on a white background.

Color Contrast Check

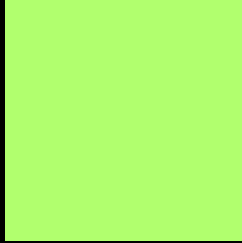
Large Text (above 18pt) WCAG AA × Fail

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 93, 77.295, 127.912 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

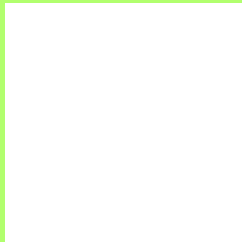
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 77.295, 127.912

Background



This preview shows how black text looks on a background with the CIELCh color 93, 77.295, 127.912.

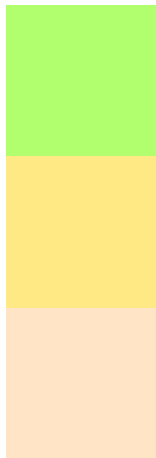


This preview shows how white text looks on a background with the CIELCh color 93, 77.295, 127.912.

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
93, 76.755, 127.817

Protanopia
92, 51.752, 95.963

Deuteranopia
92, 18.629, 75.346

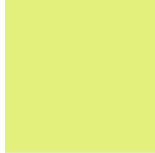


Tritanopia
92, 14.003, 235.171

Trichromacy



Original Color
93, 76.755, 127.817



Protanomaly
92, 58.368, 111.108

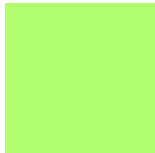


Deuteranomaly
92, 36.877, 113.902

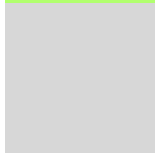


Tritanomaly
92, 28.865, 147.625

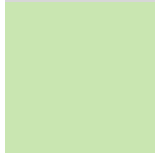
Monochromacy



Original Color
93, 76.755, 127.817



Achromatopsia
86, 0.010, 296.813



Achromatomaly
88, 29.527, 129.662

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 77.295, 127.912 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(177, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(177, 255, 110)  
}
```

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(177, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 255, 110) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 77.295, 127.912 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(177, 255, 110) }
```

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

```
.border{ border-color:rgb(177, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(177, 255,  
110) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 77.295, 127.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 255, 110) }
```

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

```
.background{ background-color: rgb(177,  
255, 110) }
```

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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