

Converting Colors

CIELCh(90, 100.553, 128.180)

Have a look what the booklet for
CIELCh(90, 100.553, 128.180)
contains.

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Color

CIELCh(90, 100.501, 128.175)

Conversions

Conversions Part 1

Format	Color
Hex	8DFD31
RGB	141, 253, 49
RGB Percent	55%, 99%, 19%
CMY	0.4461, 0.0069, 0.8067
CMYK	0.44, 0.00, 0.81, 0.01
HSL	93°, 98%, 59%
HSV	93°, 81%, 99%
XYZ	46.7837, 76.3034, 15.2006
YIQ	196.2560, -1.2680, -87.1880

Conversions

Conversions Part 2

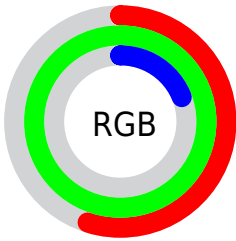
Format	Color
RYB	49, 253, 161
Decimal	9305393
CIELab	90.00, -62.12, 79.01
CIELCh	90, 100.501, 128.175
Yxy	76.3034, 0.3383, 0.5518
Android (android.graphics.Color)	4287495473 (0xFF8DFD31)
YUV	196.2560, -72.5972, -48.4595
Hunter-Lab	87.3518, -57.2649, 50.8288

Details

The CIELCh color **90, 100.501, 128.175** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **48, 111.197, 313.843**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 72.131, 121.751**, and **70, 92.103, 131.153** is the 20% darker color. If you saturate the color by 10%, you get **89, 106.829, 128.847**, and if you desaturate by 10%, it is **91, 91.675, 127.966**.

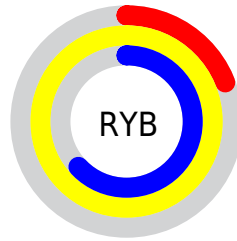
Distribution



Red (55%)

Green (99%)

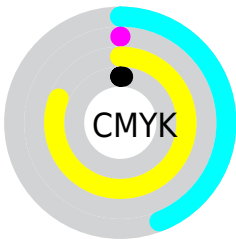
Blue (19%)



Red (19%)

Yellow (99%)

Blue (63%)

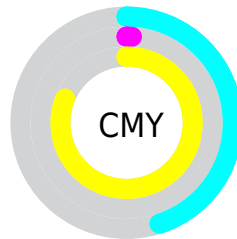


Cyan (44%)

Magenta (0%)

Yellow (81%)

Black (1%)



Cyan (45%)


Magenta (1%)


Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 100.501, 128.175 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, 100.501, 128.175 by changing the saturation by 10% instead.


 90, 100.501,
128.175


 90, 100.501,
128.175


 100, 100.501,
128.175


 80, 100.501,
128.175


 70, 100.501,
128.175

 60, 100.501,
128.175


 50, 100.501,
128.175


 40, 100.501,
128.175


 30, 100.501,
128.175


 20, 100.501,


128.175


 10, 100.501,
128.175


 0, 100.501,
128.175


 90, 100.501,
128.175

 90, 100.501,
128.175


 89, 106.829,
128.847

 91, 91.675,
127.966

 89, 110.571,
129.885

 92, 80.894,
128.092

 93, 68.760,
128.426

 94, 55.759,
128.870

95, 42.244,
129.357

96, 28.461,
129.848

98, 14.580,
130.321

99, 0.721, 130.968

100, 1.105,
324.200

Harmonies

Complementary

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



90, 100.501, 128.175



48, 111.197, 313.843

Rectangle

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



90, 100.501, 128.175



90, 100.501, 178.175



90, 100.501, 308.175



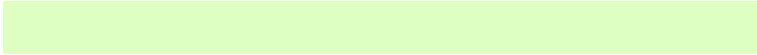
90, 100.501, 358.175

Sweetspot

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



90, 100.501, 128.176



96, 33.450, 129.678



73, 72.537, 67.610



51, 22.963, 129.503



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, 100.501, 128.176



90, 110.101, 129.552



88, 109.842, 137.551



52, 7.914, 130.369



69, 89.274, 129.616



23, 39.670, 128.125

Inverse Universe

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



48, 111.197, 313.843



43, 122.530, 313.071



62, 105.931, 329.215



49, 8.013, 311.169



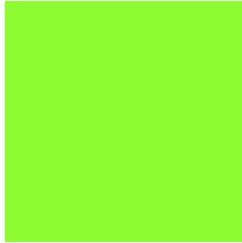
31, 99.471, 313.047



7, 44.821, 314.241

Previews

White Background



This preview shows how the CIE LCh color 90, 100.501, 128.175 looks on a white background.

Color Contrast Check

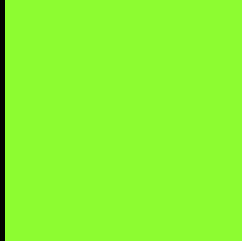
Large Text (above 18pt) WCAG AA × Fail

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, 100.501, 128.175 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, 100.501, 128.175

Background



This preview shows how black text looks on a background with the CIELCh color 90, 100.501, 128.175.

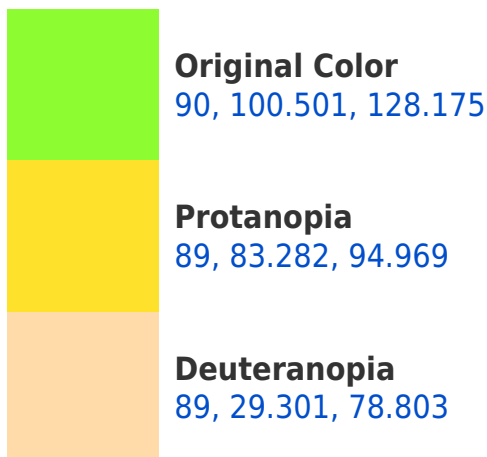



This preview shows how white text looks on a background with the CIELCh color 90, 100.501, 128.175.

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](#).

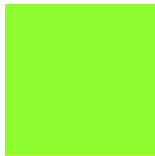
Dichromacy





Tritanopia
90, 22.329, 224.694

Trichromacy



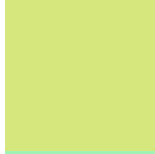
Original Color

90, 100.501, 128.175



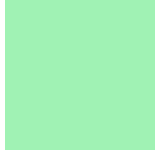
Protanomaly

89, 85.496, 109.810



Deuteranomaly

88, 53.285, 113.233



Tritanomaly

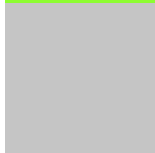
89, 43.528, 149.356

Monochromacy



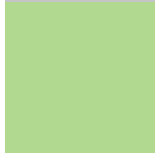
Original Color

90, 100.501, 128.175



Achromatopsia

80, 0.010, 296.813



Achromatomaly

82, 41.474, 128.898

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 100.501, 128.175 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(141, 253, 49)` looks like.

```
.text, #text, p{  
    color:rgb(141, 253, 49)  
}
```

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(141, 253, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 253, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 100.501, 128.175 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(141, 253, 49) }
```

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

```
.border{ border-color:rgb(141, 253, 49) }
```

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

Here you see how a box with a 4 pixel rgb(141, 253, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 253, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 253, 49);  
box-shadow:4px 4px 4px 4px rgb(141, 253,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 100.501, 128.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 253, 49) }
```

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

```
.background{ background-color: rgb(141,  
253, 49) }
```

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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