

Converting Colors

CIELCh(91, 57.311, 163.487)

Have a look what the booklet for
CIELCh(91, 57.311, 163.487)
contains.

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Color

CIELCh(91, 57.113, 163.620)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 63FFC4 |
| RGB | 99, 255, 196 |
| RGB Percent | 39%, 100%, 77% |
| CMY | 0.6134, 0.0000, 0.2295 |
| CMYK | 0.61, 0.00, 0.23, 0.00 |
| HSL | 158°, 100%, 69% |
| HSV | 158°, 61%, 100% |
| XYZ | 51.0420, 78.4833, 64.9703 |
| YIQ | 201.6300, -74.0370, -51.4210 |

Conversions

Conversions Part 2

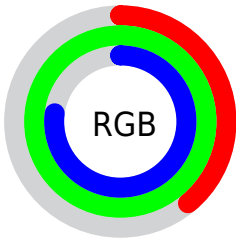
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 99, 195, 255 |
| Decimal | 6553540 |
| CIE _{Lab} | 91.00, -54.79, 16.11 |
| CIE _{LCh} | 91, 57.113, 163.620 |
| Yxy | 78.4833, 0.2624, 0.4035 |
| Android (android.graphics.Color) | 4284743620 (0xFF63FFC4) |
| YUV | 201.6300, -2.7756, -90.0065 |
| Hunter-Lab | 88.5908, -52.1903, 18.5318 |

Details

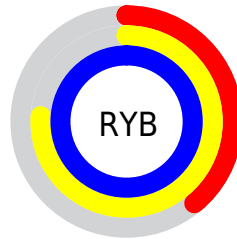
The CIELCh color **91, 57.113, 163.620** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 64.382, 359.926**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.046, 195.572**, and **71, 56.742, 163.449** is the 20% darker color. If you saturate the color by 10%, you get **90, 63.723, 162.036**, and if you desaturate by 10%, it is **92, 49.052, 165.300**.

Distribution



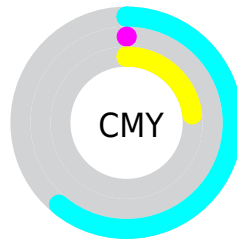
- Red (39%)
- Green (100%)
- Blue (77%)



- Red (39%)
- Yellow (76%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (23%)
- Black (0%)





- Cyan (61%)
- Magenta (0%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 57.113, 163.620 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 91, 57.113, 163.620 by changing the saturation by 10% instead.


 91, 57.113,
163.620


 91, 57.113,
163.620


 100, 57.113,
163.620


 81, 57.113,
163.620

 71, 57.113,
163.620

 61, 57.113,
163.620

 51, 57.113,
163.620

 41, 57.113,
163.620

 31, 57.113,
163.620

 21, 57.113,

163.620

■ 11, 57.113,
163.620

■ 1, 57.113, 163.620

■ 91, 57.113,
163.620

■ 91, 57.113,
163.620

■ 90, 63.723,
162.036

■ 92, 49.052,
165.300

■ 90, 69.588,
160.097

■ 93, 40.449,
166.668

■ 89, 74.469,
157.945

■ 94, 31.208,
167.895

■ 89, 78.062,
155.962

■ 96, 21.504,
169.008

■ 98, 11.505,
170.036

■ 100, 1.356,
171.313

■ 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.



91, 57.113, 163.620



64, 64.382, 359.926

Rectangle

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



91, 57.113, 163.620



91, 57.113, 213.620



91, 57.113, 343.620



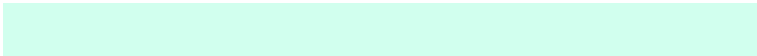
91, 57.113, 33.620

Sweetspot

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



91, 56.854, 163.764



97, 18.191, 169.358



92, 83.918, 130.219



51, 12.610, 169.053



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

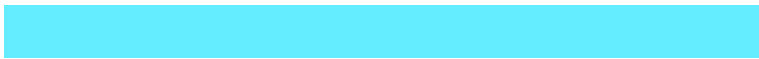
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 56.854, 163.764



90, 65.383, 161.541



87, 37.782, 211.974



52, 5.773, 170.220



69, 62.389, 156.393



23, 27.171, 159.560

Inverse Universe

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



64, 64.382, 359.926



59, 74.381, 3.596



66, 62.467, 34.776



50, 5.897, 351.866



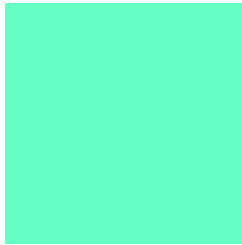
41, 68.723, 14.315



10, 31.283, 6.999

Previews

White Background



This preview shows how the CIE LCh color 91, 57.113, 163.620 looks on a white background.

Color Contrast Check

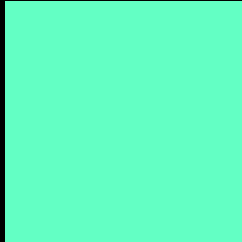
Large Text (above 18pt) WCAG AA × Fail

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 91, 57.113, 163.620 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 91, 57.113, 163.620

Background



This preview shows how black text looks on a background with the CIELCh color 91, 57.113, 163.620.

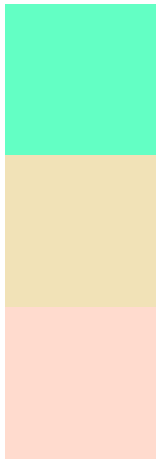


This preview shows how white text looks on a background with the CIELCh color 91, 57.113, 163.620.

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
91, 56.952, 163.531

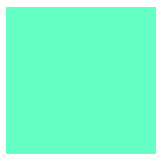
Protanopia
90, 22.950, 93.696

Deuteranopia
90, 15.201, 46.346

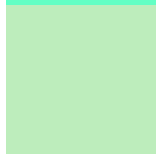


Tritanopia
90, 25.070, 216.221

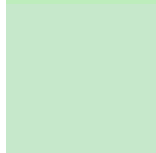
Trichromacy



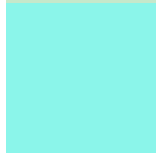
Original Color
91, 56.952, 163.531



Protanomaly
89, 30.932, 142.598



Deuteranomaly
89, 19.544, 147.799



Tritanomaly
90, 33.566, 187.374

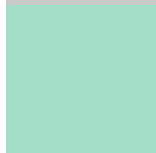
Monochromacy



Original Color
91, 56.952, 163.531



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 22.946, 168.907

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 57.113, 163.620 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(99, 255, 196)` looks like.

```
.text, #text, p{  
    color:rgb(99, 255, 196)  
}
```

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(99, 255, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 255, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 57.113, 163.620 is called "border". The border property can be set on classes, ids or directly on the HTML element.

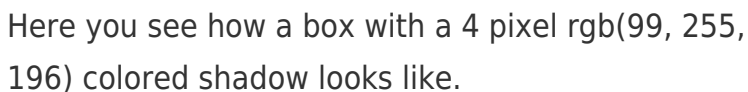
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(99, 255, 196) }
```

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

```
.border{ border-color:rgb(99, 255, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(99, 255, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(99, 255, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(99, 255, 196); box-shadow:4px 4px 4px 4px rgb(99, 255, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 57.113, 163.620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 255, 196) }
```

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

```
.background{ background-color: rgb(99, 255,  
196) }
```

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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