

Converting Colors

CIELCh(96, 71.364, 153.371)

Have a look what the booklet for
CIELCh(96, 71.364, 153.371)
contains.

CIELCh(91, 61.867, 156.518)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 61.867, 156.518)

Conversions

Conversions Part 1

Format	Color
Hex	6BFFB4
RGB	107, 255, 180
RGB Percent	42%, 100%, 71%
CMY	0.5806, 0.0000, 0.2949
CMYK	0.58, 0.00, 0.29, 0.00
HSL	150°, 100%, 71%
HSV	150°, 58%, 100%
XYZ	50.3114, 78.4833, 55.5718
YIQ	202.1980, -64.1330, -54.7010

Conversions

Conversions Part 2

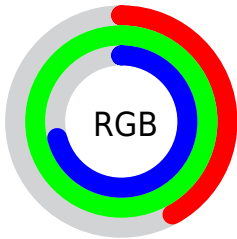
Format	Color
RYB	107, 206, 255
Decimal	7077812
CIELab	91.00, -56.74, 24.65
CIELCh	91, 61.867, 156.518
Yxy	78.4833, 0.2729, 0.4257
Android (android.graphics.Color)	4285267892 (0xFF6BFFB4)
YUV	202.1980, -10.9436, -83.4886
Hunter-Lab	88.5908, -53.6625, 24.8218

Details

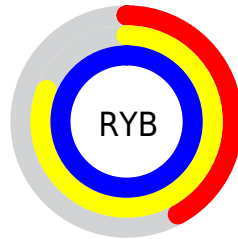
The CIELCh color **91, 61.867, 156.518** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **66, 64.668, 349.934**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.948, 178.389**, and **71, 61.187, 156.875** is the 20% darker color. If you saturate the color by 10%, you get **90, 69.997, 155.000**, and if you desaturate by 10%, it is **92, 51.950, 158.173**.

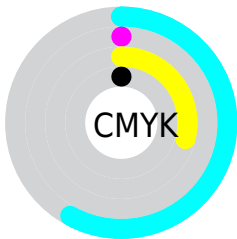
Distribution



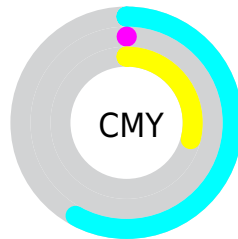
- Red (42%)
- Green (100%)
- Blue (71%)



- Red (42%)
- Yellow (81%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (29%)
- Black (0%)





- Cyan (58%)
- Magenta (0%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 61.867, 156.518 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, 61.867, 156.518 by changing the saturation by 10% instead.


 91, 61.867,
156.518


 91, 61.867,
156.518


 100, 61.867,
156.518


 81, 61.867,
156.518

 71, 61.867,
156.518

 61, 61.867,
156.518


 51, 61.867,
156.518

 41, 61.867,
156.518


 31, 61.867,
156.518


 21, 61.867,


156.518


 11, 61.867,
156.518


 1, 61.867, 156.518


 91, 61.867,
156.518


 91, 61.867,
156.518


 90, 69.997,
155.000


 92, 51.950,
158.173


 89, 77.580,
153.097

 93, 41.785,
159.480

 89, 84.113,
150.980

 95, 31.113,
160.636

 89, 89.675,
148.696

 96, 20.122,
161.667

■ 88, 90.691,
148.261

■ 98, 8.983, 162.611
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, 61.867, 156.518



66, 64.668, 349.934

Rectangle

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



91, 61.867, 156.518



91, 61.867, 206.518



91, 61.867, 336.518



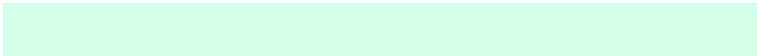
91, 61.867, 26.518

Sweetspot

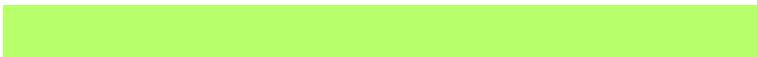
The Sweet Spot groups the original color and five complimentary colors.



91, 61.412, 156.687



97, 18.944, 161.770



93, 76.999, 125.873



51, 12.665, 161.574



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, 61.412, 156.687



90, 71.549, 154.648



92, 41.198, 195.097



52, 6.337, 162.476



68, 72.395, 148.692



23, 31.210, 151.920

Inverse Universe

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



66, 64.668, 349.934



61, 74.495, 352.329



64, 62.947, 26.003



50, 6.416, 343.981



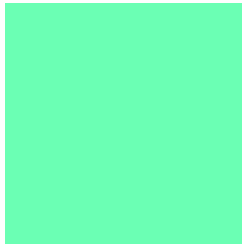
41, 68.337, 1.364



10, 31.945, 355.888

Previews

White Background



This preview shows how the CIE LCh color 91, 61.867, 156.518 looks on a white background.

Color Contrast Check

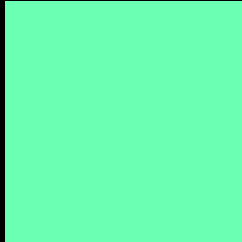
Large Text (above 18pt) WCAG AA × Fail

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 91, 61.867, 156.518 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, 61.867, 156.518

Background



This preview shows how black text looks on a background with the CIELCh color 91, 61.867, 156.518.

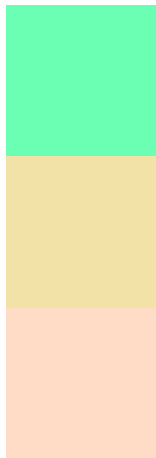


This preview shows how white text looks on a background with the CIELCh color 91, 61.867, 156.518.

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, 61.331, 156.747

Protanopia
90, 31.121, 95.175

Deuteranopia
90, 18.007, 61.161

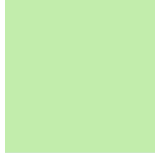


Tritanopia
90, 24.817, 216.427

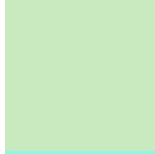
Trichromacy



Original Color
91, 61.331, 156.747



Protanomaly
89, 37.150, 133.231



Deuteranomaly
89, 24.804, 136.812

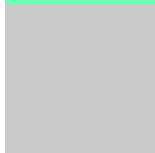


Tritanomaly
90, 33.739, 181.964

Monochromacy



Original Color
91, 61.331, 156.747



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 24.034, 161.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 61.867, 156.518 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(107, 255, 180)` looks like.

```
.text, #text, p{  
    color:rgb(107, 255, 180)  
}
```

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(107, 255, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 255, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 61.867, 156.518 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(107, 255, 180) }
```

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

```
.border{ border-color:rgb(107, 255, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 255, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 255, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 255, 180);  
box-shadow:4px 4px 4px 4px rgb(107, 255,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 61.867, 156.518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 255, 180) }
```

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

```
.background{ background-color: rgb(107,  
255, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor