

Converting Colors

CIELCh(91, 56.816, 163.566)

Have a look what the booklet for
CIELCh(91, 56.816, 163.566)
contains.

CIELCh(91, 56.449, 163.849)	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, 56.449, 163.849)

Conversions

Conversions Part 1

Format	Color
Hex	64FFC5
RGB	100, 255, 197
RGB Percent	39%, 100%, 77%
CMY	0.6065, 0.0000, 0.2263
CMYK	0.61, 0.00, 0.23, 0.00
HSL	158°, 100%, 70%
HSV	158°, 61%, 100%
XYZ	51.2585, 78.4833, 65.4389
YIQ	202.0430, -73.7620, -50.8980

Conversions

Conversions Part 2

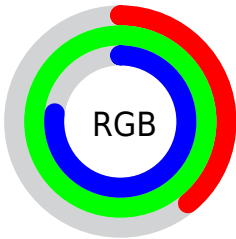
Format	Color
RYB	100, 195, 255
Decimal	6619077
CIELab	91.00, -54.22, 15.70
CIELCh	91, 56.449, 163.849
Yxy	78.4833, 0.2626, 0.4021
Android (android.graphics.Color)	4284809157 (0xFF64FFC5)
YUV	202.0430, -2.4862, -89.4917
Hunter-Lab	88.5908, -51.7540, 18.2182

Details

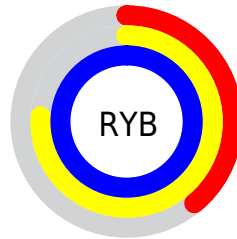
The CIELCh color **91, 56.449, 163.849** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 63.747, 359.825**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.694, 196.609**, and **71, 56.375, 163.876** is the 20% darker color. If you saturate the color by 10%, you get **90, 63.223, 162.221**, and if you desaturate by 10%, it is **92, 48.445, 165.457**.

Distribution



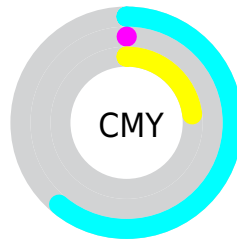
- Red (39%)
- Green (100%)
- Blue (77%)



- 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, 56.449, 163.849 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, 56.449, 163.849 by changing the saturation by 10% instead.


 91, 56.449,
163.849


 91, 56.449,
163.849


 100, 56.449,
163.849


 81, 56.449,
163.849

 71, 56.449,
163.849

 61, 56.449,
163.849


 51, 56.449,
163.849

 41, 56.449,
163.849


 31, 56.449,
163.849


 21, 56.449,


163.849

 11, 56.449,
163.849


 1, 56.449, 163.849


 91, 56.449,
163.849


 91, 56.449,
163.849


 90, 63.223,
162.221


 92, 48.445,
165.457


 90, 69.148,
160.298

 93, 39.801,
166.815

 89, 74.084,
158.161

 94, 30.531,
168.033

 89, 77.975,
156.024

 96, 20.810,
169.139

■ 98, 10.803,
170.163

■ 100, 0.654,
171.862

■ 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, 56.449, 163.849



64, 63.747, 359.825

Rectangle

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



91, 56.449, 163.849



91, 56.449, 213.849



91, 56.449, 343.849



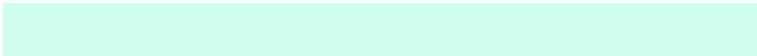
91, 56.449, 33.849

Sweetspot

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



91, 56.297, 163.935



97, 18.180, 169.416



92, 83.106, 130.240



51, 12.602, 169.111



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

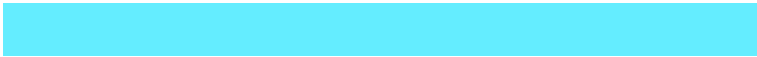
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91, 56.297, 163.935



90, 64.707, 161.788



87, 37.533, 211.912



52, 5.770, 170.278



69, 62.320, 156.455



23, 27.144, 159.620

Inverse Universe

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



64, 63.747, 359.825



59, 73.689, 3.337



66, 61.633, 34.663



50, 5.894, 351.925



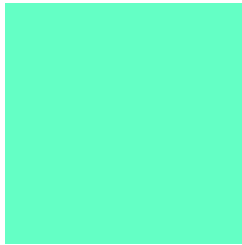
41, 68.740, 14.404



10, 31.283, 7.078

Previews

White Background



This preview shows how the CIE LCh color 91, 56.449, 163.849 looks on a white background.

Color Contrast Check

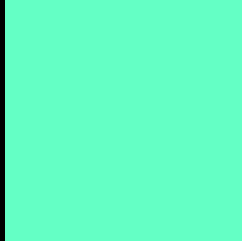
Large Text (above 18pt) WCAG AA × Fail

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, 56.449, 163.849 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, 56.449, 163.849

Background



This preview shows how black text looks on a background with the CIELCh color 91, 56.449, 163.849.

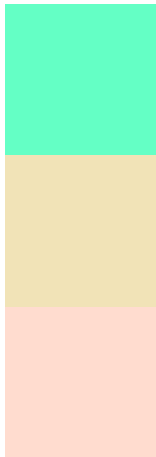


This preview shows how white text looks on a background with the CIELCh color 91, 56.449, 163.849.

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, 56.449, 163.849

Protanopia

90, 23.334, 94.890

Deuteranopia

90, 14.840, 46.988



Tritanopia
90, 24.817, 216.427

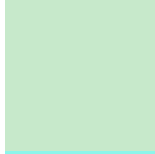
Trichromacy



Original Color
91, 56.449, 163.849



Protanomaly
89, 30.726, 142.085



Deuteranomaly
89, 19.941, 146.885

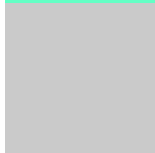


Tritanomaly
90, 33.324, 187.319

Monochromacy



Original Color
91, 56.449, 163.849



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 22.664, 168.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 56.449, 163.849 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(100, 255, 197)` looks like.

```
.text, #text, p{  
    color:rgb(100, 255, 197)  
}
```

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(100, 255, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 255, 197) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 56.449, 163.849 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(100, 255, 197) }
```

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

```
.border{ border-color:rgb(100, 255, 197) }
```

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

Here you see how a box with a 4 pixel rgb(100, 255, 197) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 255, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 255, 197);  
box-shadow:4px 4px 4px 4px rgb(100, 255,  
197) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 56.449, 163.849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 255, 197) }
```

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

```
.background{ background-color: rgb(100,  
255, 197) }
```

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