

Converting Colors

CIELCh(91, 53.953, 166.762)

Have a look what the booklet for
CIELCh(91, 53.953, 166.762)
contains.

CIELCh(91, 53.953, 166.762)	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, 53.953, 166.762)

Conversions

Conversions Part 1

Format	Color
Hex	65FFCC
RGB	101, 255, 204
RGB Percent	40%, 100%, 80%
CMY	0.6049, 0.0008, 0.2008
CMYK	0.60, 0.00, 0.20, 0.00
HSL	160°, 100%, 70%
HSV	160°, 60%, 100%
XYZ	51.9042, 78.4833, 69.4101
YIQ	203.1400, -75.4130, -48.5090

Conversions

Conversions Part 2

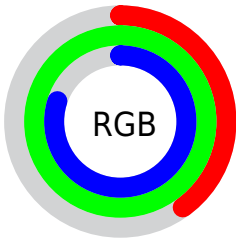
Format	Color
RYB	101, 193, 255
Decimal	6684620
CIELab	91.00, -52.52, 12.36
CIElCh	91, 53.953, 166.762
Yxy	78.4833, 0.2598, 0.3928
Android (android.graphics.Color)	4284874700 (0xFF65FFCC)
YUV	203.1400, 0.4240, -89.5768
Hunter-Lab	88.5908, -50.4531, 15.5604

Details

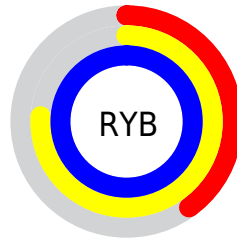
The CIELCh color **91, 53.953, 166.762** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 62.937, 2.933**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.352, 197.670**, and **71, 53.735, 166.959** is the 20% darker color. If you saturate the color by 10%, you get **90, 60.447, 165.090**, and if you desaturate by 10%, it is **92, 46.522, 168.251**.

Distribution



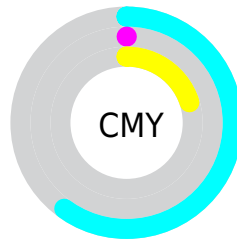
- Red (40%)
- Green (100%)
- Blue (80%)



- Red (40%)
- Yellow (76%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (20%)
- Black (0%)





- Cyan (60%)
- Magenta (0%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 53.953, 166.762 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, 53.953, 166.762 by changing the saturation by 10% instead.


 91, 53.953,
166.762


 91, 53.953,
166.762


 100, 53.953,
166.762


 81, 53.953,
166.762

 71, 53.953,
166.762

 61, 53.953,
166.762


 51, 53.953,
166.762

 41, 53.953,
166.762


 31, 53.953,
166.762


 21, 53.953,


166.762


 11, 53.953,
166.762


 1, 53.953, 166.762


 91, 53.953,
166.762


 91, 53.953,
166.762


 90, 60.447,
165.090


 92, 46.522,
168.251


 90, 65.933,
163.217

 93, 38.278,
169.586

 89, 70.430,
161.134

 94, 29.384,
170.792

 89, 73.978,
158.998

 96, 20.008,
171.895

■ 98, 10.313,
172.925

100, 0.443,
175.066

100, 0.143,
322.277

Harmonies

Complementary

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



91, 53.953, 166.762



64, 62.937, 2.933

Rectangle

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



91, 53.953, 166.762



91, 53.953, 216.762



91, 53.953, 346.762



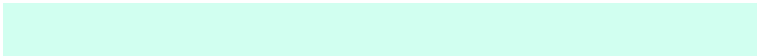
91, 53.953, 36.762

Sweetspot

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



91, 53.954, 166.761



97, 17.665, 172.153



91, 84.044, 131.721



51, 12.238, 171.846



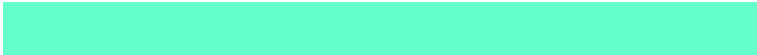
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



91, 53.954, 166.761



90, 61.982, 164.632



85, 36.350, 219.404



52, 5.616, 173.022



69, 59.202, 159.419



23, 25.910, 162.502

Inverse Universe

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



64, 62.937, 2.933



59, 73.417, 6.735



67, 59.450, 38.098



50, 5.757, 354.693



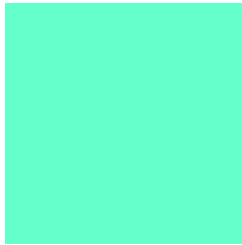
40, 69.719, 18.407



10, 31.353, 10.479

Previews

White Background



This preview shows how the CIE LCh color 91, 53.953, 166.762 looks on a white background.

Color Contrast Check

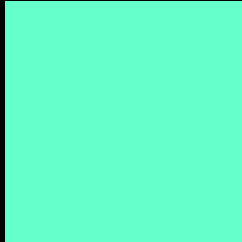
Large Text (above 18pt) WCAG AA × Fail

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, 53.953, 166.762 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, 53.953, 166.762

Background



This preview shows how black text looks on a background with the CIELCh color 91, 53.953, 166.762.

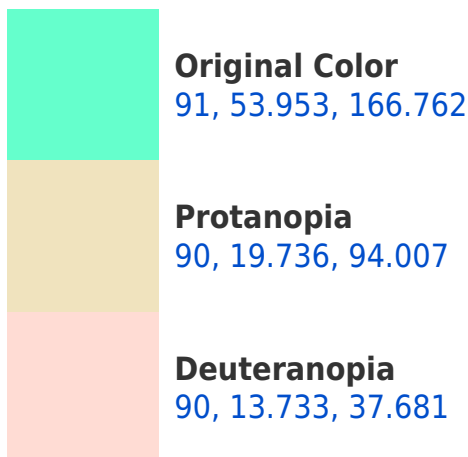


This preview shows how white text looks on a background with the CIELCh color 91, 53.953, 166.762.

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](#).

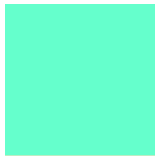
Dichromacy





Tritanopia
91, 24.728, 215.201

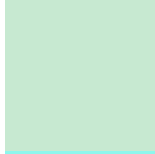
Trichromacy



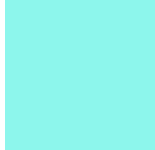
Original Color
91, 53.953, 166.762



Protanomaly
90, 27.967, 146.674



Deuteranomaly
89, 17.535, 153.007

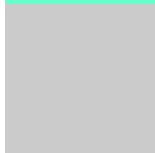


Tritanomaly
91, 33.154, 188.210

Monochromacy



Original Color
91, 53.953, 166.762



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 22.072, 170.854

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 53.953, 166.762 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(101, 255, 204)` looks like.

```
.text, #text, p{  
    color:rgb(101, 255, 204)  
}
```

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(101, 255, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 255, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 53.953, 166.762 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(101, 255, 204) }
```

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

```
.border{ border-color:rgb(101, 255, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 255, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 255, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 255, 204);  
box-shadow:4px 4px 4px 4px rgb(101, 255,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 53.953, 166.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 255, 204) }
```

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

```
.background{ background-color: rgb(101,  
255, 204) }
```

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