

# Converting Colors

CIELCh(91, 56.691, 165.765)

Have a look what the booklet for  
CIELCh(91, 56.691, 165.765)  
contains.

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# Color

**CIELCh(91, 56.215, 166.110)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5EFFCA
RGB	94, 255, 202
RGB Percent	37%, 100%, 79%
CMY	0.6327, 0.0000, 0.2097
CMYK	0.63, 0.00, 0.21, 0.00
HSL	160°, 100%, 68%
HSV	160°, 63%, 100%
XYZ	51.1264, 78.4833, 68.0403
YIQ	200.8190, -78.9430, -50.6150

# Conversions

## Conversions Part 2

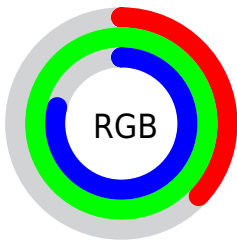
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 190, 255
Decimal	6225866
CIELab	91.00, -54.57, 13.49
CIELCh	91, 56.215, 166.110
Yxy	78.4833, 0.2587, 0.3971
Android (android.graphics.Color)	4284415946 (0xFF5EFFCA)
YUV	200.8190, 0.5822, -93.6803
Hunter-Lab	88.5908, -52.0203, 16.4772

# Details

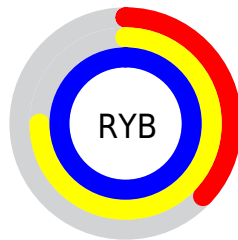
The CIELCh color **91, 56.215, 166.110** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **63, 65.531, 3.662**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 29.647, 197.591**, and **71, 54.568, 166.094** is the 20% darker color. If you saturate the color by 10%, you get **90, 62.158, 164.558**, and if you desaturate by 10%, it is **92, 48.750, 167.824**.

# Distribution



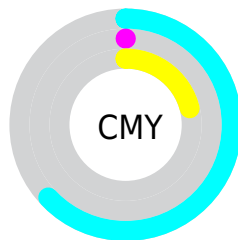
- Red (37%)
- Green (100%)
- Blue (79%)



- Red (37%)
- Yellow (75%)
- Blue (100%)



- Cyan (63%)
- Magenta (0%)
- Yellow (21%)
- Black (0%)




- Cyan (63%)
- Magenta (0%)
- Yellow (21%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 56.215, 166.110 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, 56.215, 166.110 by changing the saturation by 10% instead.





 91, 56.215,  
166.110


 91, 56.215,  
166.110


 100, 56.215,  
166.110


 81, 56.215,  
166.110

 71, 56.215,  
166.110

 61, 56.215,  
166.110


 51, 56.215,  
166.110

 41, 56.215,  
166.110


 31, 56.215,  
166.110


 21, 56.215,


166.110

 11, 56.215,  
166.110


 1, 56.215, 166.110


 91, 56.215,  
166.110

 91, 56.215,  
166.110


 90, 62.158,  
164.558


 92, 48.750,  
167.824


 90, 67.366,  
162.625

 93, 40.711,  
169.200

 89, 71.609,  
160.484

 94, 31.973,  
170.440

 89, 74.059,  
158.970

 96, 22.707,  
171.570

97, 13.077,  
172.615

99, 3.234, 173.696

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, 56.215, 166.110



63, 65.531, 3.662

# Rectangle

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



91, 56.215, 166.110



91, 56.215, 216.110



91, 56.215, 346.110



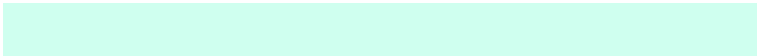
91, 56.215, 36.110

# Sweetspot

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



91, 55.937, 166.285



96, 18.632, 172.024



91, 87.427, 131.623



51, 12.783, 171.721



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, 55.937, 166.285



90, 63.681, 164.051



85, 37.361, 219.830



52, 5.617, 172.998



69, 59.228, 159.392



23, 25.920, 162.476



# Inverse Universe

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



63, 65.531, 3.662



58, 75.521, 7.798



66, 62.855, 38.426



50, 5.759, 354.669



40, 69.709, 18.373

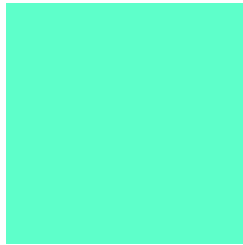


10, 31.352, 10.452



# Previews

## White Background



This preview shows how the CIE LCh color 91, 56.215, 166.110 looks on a white background.

## Color Contrast Check

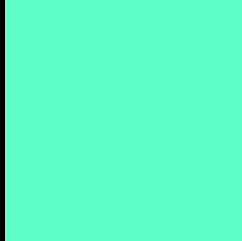
Large Text (above 18pt) WCAG AA × Fail

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, 56.215, 166.110 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

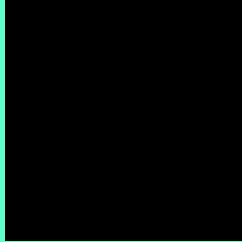
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 91, 56.215, 166.110

## Background



This preview shows how black text looks on a background with the CIELCh color 91, 56.215, 166.110.

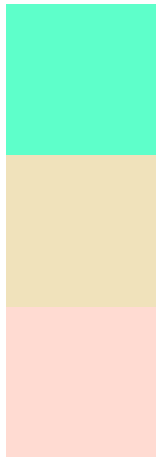


This preview shows how white text looks on a background with the CIELCh color 91, 56.215, 166.110.

# 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, 55.731, 166.460

**Protanopia**  
90, 20.852, 93.557

**Deuteranopia**  
90, 14.299, 39.168





**Tritanopia**  
91, 25.489, 214.630

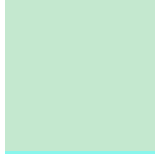
# Trichromacy



**Original Color**  
91, 55.731, 166.460



**Protanomaly**  
89, 29.657, 145.851



**Deuteranomaly**  
89, 18.428, 153.383

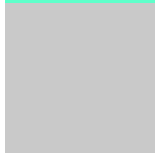


**Tritanomaly**  
90, 34.114, 188.402

# Monochromacy



**Original Color**  
91, 55.731, 166.460



**Achromatopsia**  
81, 0.010, 296.813



**Achromatomaly**  
84, 23.223, 170.714

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 91, 56.215, 166.110 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(94, 255, 202)` looks like.

```
.text, #text, p{  
    color:rgb(94, 255, 202)  
}
```

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(94, 255, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 255, 202) }
```

## Border

The CSS property to change the border of an element to CIELCh 91, 56.215, 166.110 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(94, 255, 202) }
```

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

```
.border{ border-color:rgb(94, 255, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 255, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 255, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 255, 202);  
box-shadow:4px 4px 4px 4px rgb(94, 255,  
202) }
```

# Background

The CSS property to change the background color of an element to CIELCh 91, 56.215, 166.110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 255, 202) }
```

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

```
.background{ background-color: rgb(94, 255,  
202) }
```

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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