

# Converting Colors

CIELCh(90, 61.797, 161.000)

Have a look what the booklet for  
CIELCh(90, 61.797, 161.000)  
contains.

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# Color

**CIELCh(90, 61.892, 161.051)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56FEBA
RGB	86, 254, 186
RGB Percent	34%, 100%, 73%
CMY	0.6634, 0.0045, 0.2711
CMYK	0.66, 0.00, 0.27, 0.00
HSL	156°, 99%, 67%
HSV	156°, 66%, 100%
XYZ	48.0674, 76.3034, 58.5757
YIQ	196.0160, -78.3000, -56.7640

# Conversions

## Conversions Part 2

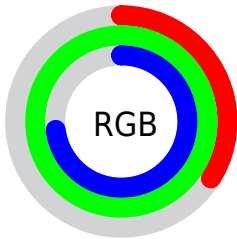
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">86, 191, 254</a>
Decimal	<a href="#">5701306</a>
CIELab	<a href="#">90.00, -58.54, 20.10</a>
CIELCh	<a href="#">90, 61.892, 161.051</a>
Yxy	<a href="#">76.3034, 0.2627, 0.4171</a>
Android (android.graphics.Color)	<a href="#">4283891386 (0xFF56FEBA)</a>
YUV	<a href="#">196.0160, -4.9379, -96.4840</a>
Hunter-Lab	<a href="#">87.3518, -54.6417, 21.3880</a>

# Details

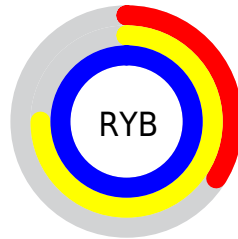
The CIELCh color **90, 61.892, 161.051** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **62, 68.800, 358.889**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.141, 185.594**, and **70, 59.618, 160.097** is the 20% darker color. If you saturate the color by 10%, you get **89, 68.581, 159.203**, and if you desaturate by 10%, it is **91, 54.235, 162.691**.

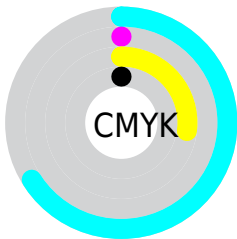
# Distribution



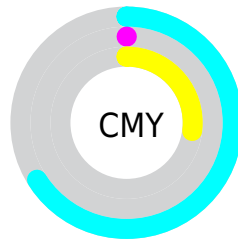
- Red (34%)
- Green (100%)
- Blue (73%)



- Red (34%)
- Yellow (75%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)




- Cyan (66%)
- Magenta (0%)
- Yellow (27%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 61.892, 161.051 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 90, 61.892, 161.051 by changing the saturation by 10% instead.





 90, 61.892,  
161.051


 90, 61.892,  
161.051


 100, 61.892,  
161.051


 80, 61.892,  
161.051

 70, 61.892,  
161.051

 60, 61.892,  
161.051


 50, 61.892,  
161.051

 40, 61.892,  
161.051


 30, 61.892,  
161.051


 20, 61.892,


161.051


 10, 61.892,  
161.051


 0, 61.892, 161.051


 90, 61.892,  
161.051


 90, 61.892,  
161.051


 89, 68.581,  
159.203


 91, 54.235,  
162.691

 89, 74.266,  
157.138

 92, 45.720,  
164.146

 89, 79.011,  
154.872

 93, 36.505,  
165.441

 88, 80.667,  
153.997

 95, 26.765,  
166.604

■ 96, 16.676,  
167.660

■ 98, 6.394, 168.662

100, 0.715,  
324.034

# Harmonies

# Complementary

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



90, 61.892, 161.051



62, 68.800, 358.889

# Rectangle

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



90, 61.892, 161.051



90, 61.892, 211.051



90, 61.892, 341.051



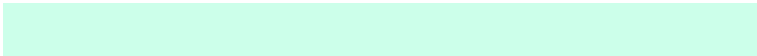
90, 61.892, 31.051

# Sweetspot

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



90, 61.893, 161.050



96, 20.625, 167.268



91, 88.249, 129.083



51, 14.040, 166.970



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



90, 61.893, 161.050



90, 70.529, 158.641



88, 40.323, 207.547



52, 5.892, 168.327



68, 64.672, 154.425



23, 28.082, 157.630



# Inverse Universe

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



62, 68.800, 358.889



58, 77.736, 2.848



62, 69.510, 33.687



50, 6.005, 349.948



41, 68.271, 11.359

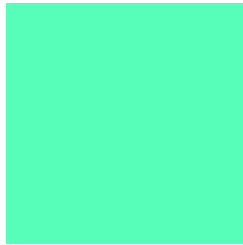


10, 31.310, 4.396



# Previews

## White Background



This preview shows how the CIE LCh color 90, 61.892, 161.051 looks on a white background.

## Color Contrast Check

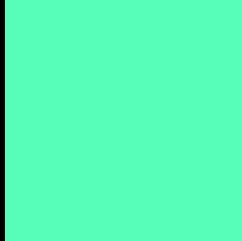
Large Text (above 18pt) WCAG AA × Fail

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 90, 61.892, 161.051 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

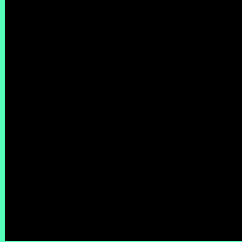
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 90, 61.892, 161.051

## Background



This preview shows how black text looks on a background with the CIELCh color 90, 61.892, 161.051.

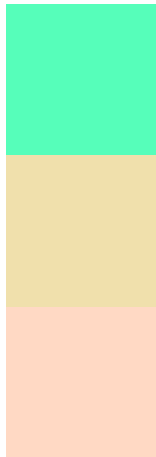


This preview shows how white text looks on a background with the CIELCh color 90, 61.892, 161.051.

# 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

90, 61.892, 161.051


### Protanopia

89, 27.585, 94.768

### Deuteranopia

89, 18.283, 56.481





**Tritanopia**  
90, 27.845, 215.348

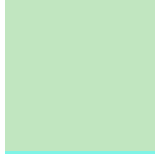
# Trichromacy



**Original Color**  
90, 61.892, 161.051



**Protanomaly**  
88, 35.513, 139.730



**Deuteranomaly**  
88, 24.050, 142.751

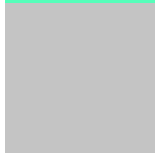


**Tritanomaly**  
89, 36.671, 185.495

# Monochromacy



**Original Color**  
90, 61.892, 161.051



**Achromatopsia**  
79, 0.010, 296.813



**Achromatomaly**  
82, 25.349, 166.106

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 61.892, 161.051 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(86, 254, 186)` looks like.

```
.text, #text, p{  
    color:rgb(86, 254, 186)  
}
```

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(86, 254, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 254, 186) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 61.892, 161.051 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(86, 254, 186) }
```

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

```
.border{ border-color:rgb(86, 254, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 254, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 254, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 254, 186);  
box-shadow:4px 4px 4px 4px rgb(86, 254,  
186) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 61.892, 161.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 254, 186) }
```

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

```
.background{ background-color: rgb(86, 254,  
186) }
```

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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