

Converting Colors

CIELCh(90, 63.416, 159.411)

Have a look what the booklet for
CIELCh(90, 63.416, 159.411)
contains.

CIELCh(90, 63.181, 159.558)	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(90, 63.181, 159.558)

Conversions

Conversions Part 1

Format	Color
Hex	57FEB6
RGB	87, 254, 182
RGB Percent	34%, 100%, 71%
CMY	0.6587, 0.0038, 0.2862
CMYK	0.66, 0.00, 0.28, 0.00
HSL	154°, 99%, 67%
HSV	154°, 66%, 100%
XYZ	47.8274, 76.3034, 56.4747
YIQ	195.8590, -76.4200, -57.7960

Conversions

Conversions Part 2

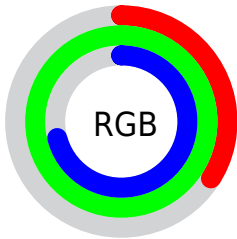
Format	Color
RYB	87, 193, 254
Decimal	5766838
CIELab	90.00, -59.20, 22.07
CIELCh	90, 63.181, 159.558
Yxy	76.3034, 0.2648, 0.4225
Android (android.graphics.Color)	4283956918 (0xFF57FEB6)
YUV	195.8590, -6.8325, -95.4693
Hunter-Lab	87.3518, -55.1323, 22.8141

Details

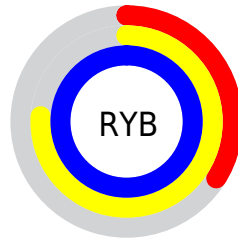
The CIELCh color **90, 63.181, 159.558** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light muted spring green. A complement of this color would be **62, 69.017, 356.810**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.666, 182.125**, and **70, 61.145, 158.591** is the 20% darker color. If you saturate the color by 10%, you get **89, 70.199, 157.709**, and if you desaturate by 10%, it is **91, 55.201, 161.196**.

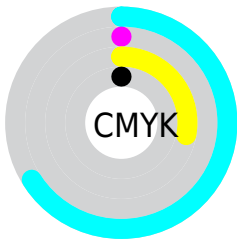
Distribution



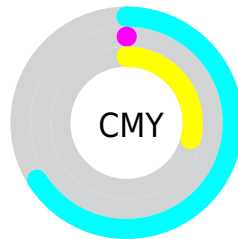
- Red (34%)
- Green (100%)
- Blue (71%)



- Red (34%)
- Yellow (76%)
- Blue (100%)



- Cyan (66%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (66%)
- Magenta (0%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 63.181, 159.558 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, 63.181, 159.558 by changing the saturation by 10% instead.


 90, 63.181,
159.558


 90, 63.181,
159.558


 100, 63.181,
159.558


 80, 63.181,
159.558

 70, 63.181,
159.558

 60, 63.181,
159.558


 50, 63.181,
159.558

 40, 63.181,
159.558


 30, 63.181,
159.558


 20, 63.181,


159.558


 10, 63.181,
159.558


 0, 63.181, 159.558

 90, 63.181,
159.558


 90, 63.181,
159.558


 89, 70.199,
157.709


 91, 55.201,
161.196


 89, 76.205,
155.642

 92, 46.375,
162.647

 89, 81.257,
153.374

 93, 36.869,
163.935

 88, 83.217,
152.392

 95, 26.863,
165.086

■ 97, 16.534,
166.130

■ 98, 6.039, 167.119

100, 0.614,
323.959

Harmonies

Complementary

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



90, 63.181, 159.558



62, 69.017, 356.810

Rectangle

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



90, 63.181, 159.558



90, 63.181, 209.558



90, 63.181, 339.558



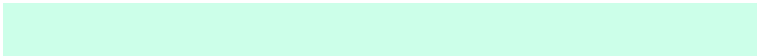
90, 63.181, 29.558

Sweetspot

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



90, 63.182, 159.557



96, 21.028, 165.696



91, 87.377, 128.561



51, 14.319, 165.401



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, 63.182, 159.557



89, 72.487, 157.056



89, 40.826, 205.197



52, 6.001, 166.743



68, 66.665, 152.822



23, 28.881, 156.047

Inverse Universe

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



62, 69.017, 356.810



58, 78.089, 0.673



62, 69.701, 32.670



50, 6.104, 348.338



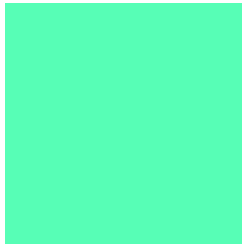
41, 68.054, 8.773



10, 31.395, 2.156

Previews

White Background



This preview shows how the CIE LCh color 90, 63.181, 159.558 looks on a white background.

Color Contrast Check

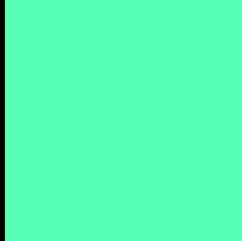
Large Text (above 18pt) WCAG AA × Fail

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, 63.181, 159.558 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, 63.181, 159.558

Background



This preview shows how black text looks on a background with the CIELCh color 90, 63.181, 159.558.

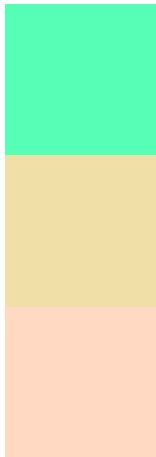


This preview shows how white text looks on a background with the CIELCh color 90, 63.181, 159.558.

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, 63.181, 159.558

Protanopia
89, 29.585, 95.434

Deuteranopia
89, 18.969, 58.829



Tritanopia
90, 27.845, 215.348

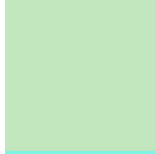
Trichromacy



Original Color
90, 63.181, 159.558



Protanomaly
88, 37.283, 138.075



Deuteranomaly
88, 24.725, 140.764

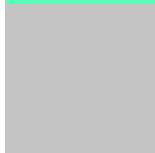


Tritanomaly
89, 37.068, 183.938

Monochromacy



Original Color
90, 63.181, 159.558



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 25.668, 165.139

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 63.181, 159.558 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(87, 254, 182)` looks like.

```
.text, #text, p{  
    color:rgb(87, 254, 182)  
}
```

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(87, 254, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 254, 182) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 63.181, 159.558 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(87, 254, 182) }
```

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

```
.border{ border-color:rgb(87, 254, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 254, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 254, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 254, 182);  
box-shadow:4px 4px 4px 4px rgb(87, 254,  
182) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 63.181, 159.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 254, 182) }
```

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

```
.background{ background-color: rgb(87, 254,  
182) }
```

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