

Converting Colors

CIELCh(90, 51.750, 166.716)

Have a look what the booklet for
CIELCh(90, 51.750, 166.716)
contains.

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Color

CIElCh(90, 51.750, 166.716)

Conversions

Conversions Part 1

Format	Color
Hex	6AFBCA
RGB	106, 251, 202
RGB Percent	42%, 98%, 79%
CMY	0.5844, 0.0158, 0.2079
CMYK	0.58, 0.00, 0.20, 0.02
HSL	160°, 95%, 70%
HSV	160°, 58%, 98%
XYZ	51.0870, 76.3034, 67.8968
YIQ	202.0590, -70.6910, -45.9790

Conversions

Conversions Part 2

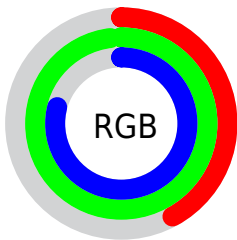
Format	Color
RYB	106, 193, 251
Decimal	7011274
CIELab	90.00, -50.37, 11.89
CIELCh	90, 51.750, 166.716
Yxy	76.3034, 0.2616, 0.3907
Android (android.graphics.Color)	4285201354 (0xFF6AFBCA)
YUV	202.0590, -0.0291, -84.2437
Hunter-Lab	87.3518, -48.4714, 15.0613

Details

The CIELCh color **90, 51.750, 166.716** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **64, 59.780, 1.734**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **70, 51.919, 166.568** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.499, 165.090**, and if you desaturate by 10%, it is **91, 44.108, 168.165**.

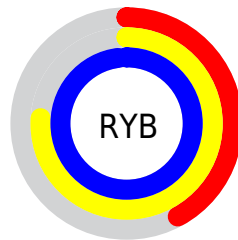
Distribution



Red (42%)

Green (98%)

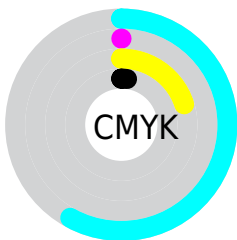
Blue (79%)



Red (42%)

Yellow (76%)

Blue (98%)

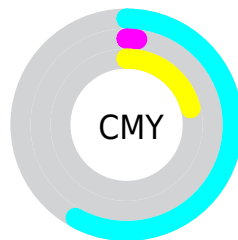


Cyan (58%)

Magenta (0%)

Yellow (20%)

Black (2%)



Cyan (58%)


Magenta (2%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 51.750, 166.716 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, 51.750, 166.716 by changing the saturation by 10% instead.


 90, 51.750,
166.716


 90, 51.750,
166.716


 100, 51.750,
166.716


 80, 51.750,
166.716

 70, 51.750,
166.716

 60, 51.750,
166.716


 50, 51.750,
166.716

 40, 51.750,
166.716


 30, 51.750,
166.716


 20, 51.750,


166.716


 10, 51.750,
166.716

 0, 51.750, 166.716


 90, 51.750,
166.716


 90, 51.750,
166.716

 89, 58.499,
165.090

 91, 44.108,
168.165


 89, 64.266,
163.267

 92, 35.710,
169.465

 88, 69.043,
161.232

 94, 26.720,
170.642

 88, 72.937,
159.006

 95, 17.304,
171.720

■ 88, 73.746,
158.511

■ 97, 7.621, 172.742

■ 99, 1.721, 345.190

■ 99, 2.506, 324.406

Harmonies

Complementary

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



90, 51.750, 166.716



64, 59.780, 1.734

Rectangle

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



90, 51.750, 166.716



90, 51.750, 216.716



90, 51.750, 346.716



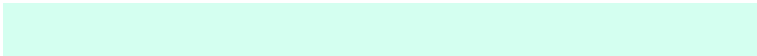
90, 51.750, 36.716

Sweetspot

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



90, 51.751, 166.715



97, 16.776, 171.799



90, 79.412, 131.343



51, 11.200, 171.590



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, 51.751, 166.715



90, 60.013, 164.868



85, 35.216, 216.514



51, 5.548, 172.566



68, 59.090, 158.937



22, 25.351, 162.191

Inverse Universe

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



64, 59.780, 1.734



61, 70.408, 4.851



67, 56.177, 36.567



49, 5.684, 354.230



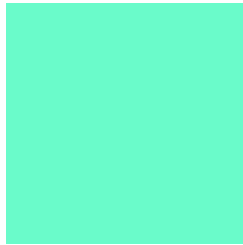
40, 68.825, 17.705



9, 30.482, 9.362

Previews

White Background



This preview shows how the CIE LCh color 90, 51.750, 166.716 looks on a white background.

Color Contrast Check

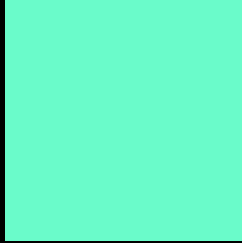
Large Text (above 18pt) WCAG AA × Fail

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, 51.750, 166.716 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, 51.750, 166.716

Background



This preview shows how black text looks on a background with the CIELCh color 90, 51.750, 166.716.

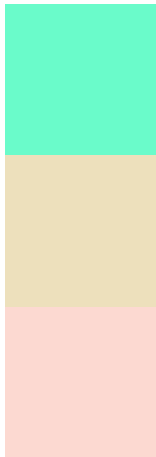


This preview shows how white text looks on a background with the CIELCh color 90, 51.750, 166.716.

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, 51.750, 166.716

Protanopia
89, 19.285, 93.654

Deuteranopia
89, 13.775, 37.681



Tritanopia
90, 26.886, 216.047

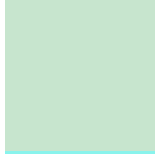
Trichromacy



Original Color
90, 51.750, 166.716



Protanomaly
89, 26.956, 145.672



Deuteranomaly
88, 16.227, 150.842

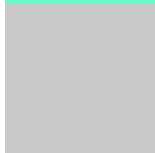


Tritanomaly
90, 32.937, 190.888

Monochromacy



Original Color
90, 51.750, 166.716



Achromatopsia
81, 0.010, 296.813



Achromatomaly
84, 20.960, 170.957

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 51.750, 166.716 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(106, 251, 202)` looks like.

```
.text, #text, p{  
    color:rgb(106, 251, 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(106, 251, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 251, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 51.750, 166.716 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(106, 251, 202) }
```

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

```
.border{ border-color:rgb(106, 251, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 251, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 251, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 251, 202);  
box-shadow:4px 4px 4px 4px rgb(106, 251,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 51.750, 166.716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 251, 202) }
```

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

```
.background{ background-color: rgb(106,  
251, 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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