

Converting Colors

CIELCh(90, 52.690, 160.551)

Have a look what the booklet for
CIELCh(90, 52.690, 160.551)
contains.

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Color

CIElCh(90, 52.554, 160.618)

Conversions

Conversions Part 1

Format	Color
Hex	77FABF
RGB	119, 250, 191
RGB Percent	47%, 98%, 75%
CMY	0.5320, 0.0183, 0.2497
CMYK	0.52, 0.00, 0.24, 0.02
HSL	153°, 93%, 72%
HSV	153°, 52%, 98%
XYZ	51.3853, 76.3034, 61.4935
YIQ	204.1050, -59.1370, -46.1210

Conversions

Conversions Part 2

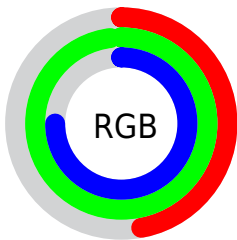
Format	Color
RYB	119, 204, 250
Decimal	7862975
CIELab	90.00, -49.58, 17.44
CIELCh	90, 52.554, 160.618
Yxy	76.3034, 0.2716, 0.4033
Android (android.graphics.Color)	4286053055 (0xFF77FABF)
YUV	204.1050, -6.4608, -74.6371
Hunter-Lab	87.3518, -47.8618, 19.4076

Details

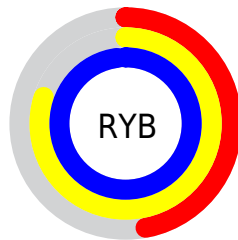
The CIELCh color **90, 52.554, 160.618** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **67, 56.633, 352.642**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 25.112, 188.365**, and **70, 52.907, 160.323** is the 20% darker color. If you saturate the color by 10%, you get **89, 60.947, 159.046**, and if you desaturate by 10%, it is **91, 43.387, 162.007**.

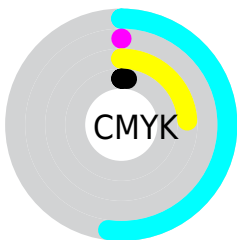
Distribution



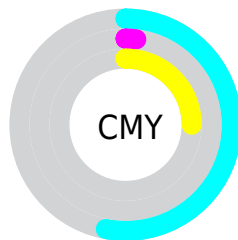
- Red (47%)
- Green (98%)
- Blue (75%)



- Red (47%)
- Yellow (80%)
- Blue (98%)



- Cyan (52%)
- Magenta (0%)
- Yellow (24%)
- Black (2%)





- Cyan (53%)
- Magenta (2%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 52.554, 160.618 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, 52.554, 160.618 by changing the saturation by 10% instead.


 90, 52.554,
160.618


 90, 52.554,
160.618


 100, 52.554,
160.618


 80, 52.554,
160.618

 70, 52.554,
160.618

 60, 52.554,
160.618

 50, 52.554,
160.618

 40, 52.554,
160.618

 30, 52.554,
160.618

 20, 52.554,

160.618

■ 10, 52.554,
160.618

■ 0, 52.554, 160.618

■ 90, 52.554,
160.618

■ 90, 52.554,
160.618

■ 89, 60.947,
159.046

■ 91, 43.387,
162.007

■ 88, 68.421,
157.270

■ 93, 33.617,
163.240

■ 88, 74.901,
155.275

■ 94, 23.426,
164.344

■ 87, 80.397,
153.071

■ 96, 12.986,
165.348

■ 87, 84.083,
151.297

■ 98, 2.444, 166.410

■ 99, 2.901, 324.436

Harmonies

Complementary

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



90, 52.554, 160.618



67, 56.633, 352.642

Rectangle

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



90, 52.554, 160.618



90, 52.554, 210.618



90, 52.554, 340.618



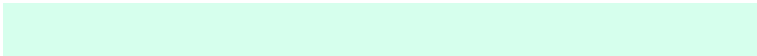
90, 52.554, 30.618

Sweetspot

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



90, 52.555, 160.617



97, 17.096, 164.986



92, 70.043, 127.818



51, 11.533, 164.780



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, 52.555, 160.617



90, 62.396, 158.922



90, 36.294, 200.782



51, 5.983, 165.621



67, 67.414, 151.732



22, 28.594, 155.130

Inverse Universe

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



67, 56.633, 352.642



63, 67.427, 354.775



67, 54.120, 27.766



49, 6.078, 347.191



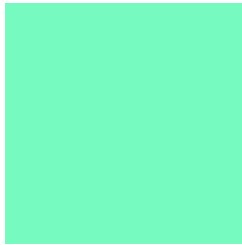
40, 67.321, 6.831



10, 30.687, 0.197

Previews

White Background



This preview shows how the CIE LCh color 90, 52.554, 160.618 looks on a white background.

Color Contrast Check

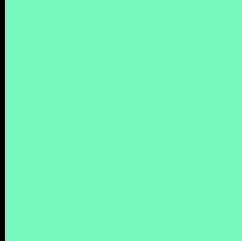
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 90, 52.554, 160.618 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, 52.554, 160.618

Background



This preview shows how black text looks on a background with the CIELCh color 90, 52.554, 160.618.

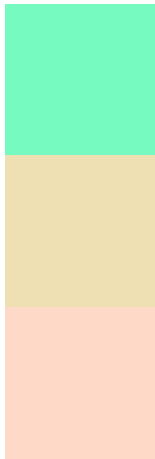


This preview shows how white text looks on a background with the CIELCh color 90, 52.554, 160.618.

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, 52.554, 160.618

Protanopia
89, 23.989, 94.169

Deuteranopia
89, 17.021, 51.220

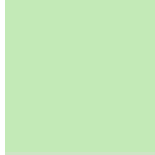


Tritanopia
90, 25.765, 218.195

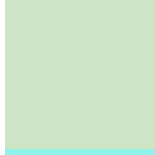
Trichromacy



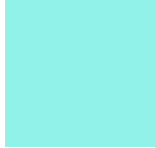
Original Color
90, 52.554, 160.618



Protanomaly
89, 30.141, 136.689



Deuteranomaly
89, 18.694, 135.709

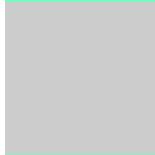


Tritanomaly
90, 31.435, 187.770

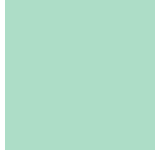
Monochromacy



Original Color
90, 52.554, 160.618



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 20.729, 163.988

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 52.554, 160.618 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(119, 250, 191)` looks like.

```
.text, #text, p{  
    color:rgb(119, 250, 191)  
}
```

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(119, 250, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 250, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 52.554, 160.618 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(119, 250, 191) }
```

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

```
.border{ border-color:rgb(119, 250, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 250, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 250, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 250, 191);  
box-shadow:4px 4px 4px 4px rgb(119, 250,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 52.554, 160.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 250, 191) }
```

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

```
.background{ background-color: rgb(119,  
250, 191) }
```

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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