

Converting Colors

CIELCh(90, 52.446, 167.839)

Have a look what the booklet for
CIELCh(90, 52.446, 167.839)
contains.

CIELCh(90, 52.145, 168.200)	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, 52.145, 168.200)

Conversions

Conversions Part 1

Format	Color
Hex	64FBCC
RGB	100, 251, 204
RGB Percent	39%, 98%, 80%
CMY	0.6064, 0.0144, 0.1988
CMYK	0.60, 0.00, 0.19, 0.01
HSL	161°, 95%, 69%
HSV	161°, 60%, 99%
XYZ	50.8319, 76.3034, 69.3707
YIQ	200.4930, -74.9090, -46.6290

Conversions

Conversions Part 2

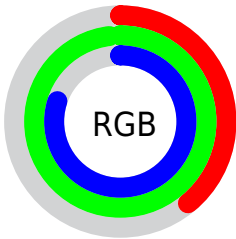
Format	Color
RYB	100, 189, 251
Decimal	6618060
CIELab	90.00, -51.04, 10.66
CIELCh	90, 52.145, 168.200
Yxy	76.3034, 0.2587, 0.3883
Android (android.graphics.Color)	4284808140 (0xFF64FBCC)
YUV	200.4930, 1.7290, -88.1324
Hunter-Lab	87.3518, -48.9926, 14.0609

Details

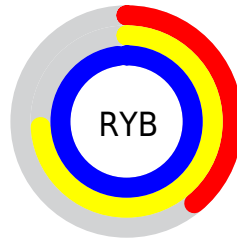
The CIELCh color **90, 52.145, 168.200** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **63, 61.693, 4.308**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 28.614, 197.654**, and **70, 52.333, 168.099** is the 20% darker color. If you saturate the color by 10%, you get **89, 58.405, 166.562**, and if you desaturate by 10%, it is **91, 44.954, 169.662**.

Distribution



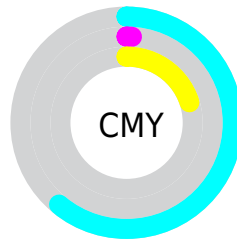
- Red (39%)
- Green (98%)
- Blue (80%)



- Red (39%)
- Yellow (74%)
- Blue (98%)



- Cyan (60%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (61%)
- Magenta (1%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 52.145, 168.200 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, 52.145, 168.200 by changing the saturation by 10% instead.


 90, 52.145,
168.200


 90, 52.145,
168.200


 100, 52.145,
168.200


 80, 52.145,
168.200

 70, 52.145,
168.200

 60, 52.145,
168.200


 50, 52.145,
168.200

 40, 52.145,
168.200


 30, 52.145,
168.200


 20, 52.145,


168.200

 10, 52.145,
168.200


 0, 52.145, 168.200


 90, 52.145,
168.200

 90, 52.145,
168.200


 89, 58.405,
166.562


 91, 44.954,
169.662


 89, 63.666,
164.728

 92, 36.954,
170.976

 88, 67.944,
162.688

 93, 28.303,
172.168

 88, 71.407,
160.501

 95, 19.167,
173.262

 97, 9.704, 174.290

 99, 0.056, 185.225

 99, 2.287, 324.386

Harmonies

Complementary

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



90, 52.145, 168.200



63, 61.693, 4.308

Rectangle

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



90, 52.145, 168.200



90, 52.145, 218.200



90, 52.145, 348.200



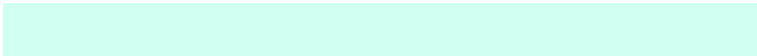
90, 52.145, 38.200

Sweetspot

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



90, 52.146, 168.199



97, 17.439, 173.476



90, 83.068, 132.208



51, 12.077, 173.171



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, 52.146, 168.199



90, 60.191, 166.213



83, 35.590, 221.943



51, 5.458, 174.348



68, 57.179, 160.921



22, 24.617, 164.104

Inverse Universe

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



63, 61.693, 4.308



59, 72.638, 7.970



67, 57.746, 39.285



49, 5.605, 356.021



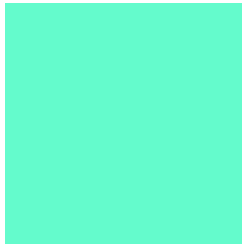
40, 69.585, 20.161



9, 30.539, 11.252

Previews

White Background



This preview shows how the CIE LCh color 90, 52.145, 168.200 looks on a white background.

Color Contrast Check

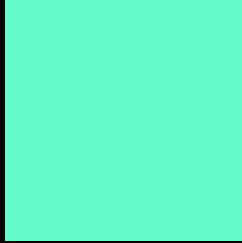
Large Text (above 18pt) WCAG AA × Fail

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, 52.145, 168.200 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, 52.145, 168.200

Background



This preview shows how black text looks on a background with the CIELCh color 90, 52.145, 168.200.

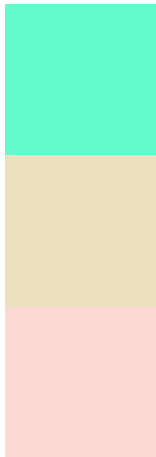


This preview shows how white text looks on a background with the CIELCh color 90, 52.145, 168.200.

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, 52.145, 168.200

Protanopia
89, 18.184, 94.117

Deuteranopia
89, 12.939, 31.745



Tritanopia
90, 27.368, 215.690

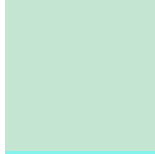
Trichromacy



Original Color
90, 52.145, 168.200



Protanomaly
89, 26.572, 148.121



Deuteranomaly
88, 15.843, 157.237

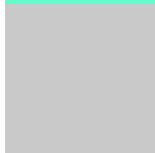


Tritanomaly
89, 33.741, 191.886

Monochromacy



Original Color
90, 52.145, 168.200



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 21.284, 172.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 52.145, 168.200 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(100, 251, 204)` looks like.

```
.text, #text, p{  
    color:rgb(100, 251, 204)  
}
```

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(100, 251, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 251, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 52.145, 168.200 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(100, 251, 204) }
```

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

```
.border{ border-color:rgb(100, 251, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 251, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 251, 204); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 251, 204); box-shadow:4px 4px 4px 4px rgb(100, 251, 204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 52.145, 168.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 251, 204) }
```

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

```
.background{ background-color: rgb(100,  
251, 204) }
```

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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