

Converting Colors

CIELCh(90, 57.122, 168.983)

Have a look what the booklet for
CIELCh(90, 57.122, 168.983)
contains.

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Color

CIELCh(90, 56.787, 169.226)

Conversions

Conversions Part 1

Format	Color
Hex	4BFDCC
RGB	75, 253, 204
RGB Percent	29%, 99%, 80%
CMY	0.7044, 0.0068, 0.1990
CMYK	0.70, 0.00, 0.19, 0.01
HSL	163°, 98%, 64%
HSV	163°, 70%, 99%
XYZ	49.0705, 76.3034, 69.4287
YIQ	194.1920, -90.3590, -52.9750

Conversions

Conversions Part 2

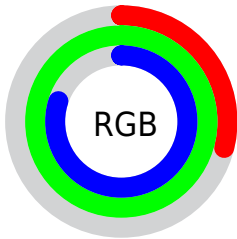
Format	Color
RYB	75, 178, 253
Decimal	4980172
CIELab	90.00, -55.79, 10.62
CIELCh	90, 56.787, 169.226
Yxy	76.3034, 0.2519, 0.3917
Android (android.graphics.Color)	4283170252 (0xFF4BFDCC)
YUV	194.1920, 4.8353, -104.5314
Hunter-Lab	87.3518, -52.5919, 14.0215

Details

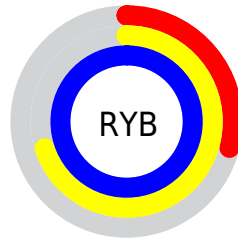
The CIELCh color **90, 56.787, 169.226** is a light color, and the websafe version is hex **33FFCC**. The color can be described as light washed cyan. A complement of this color would be **59, 70.912, 10.241**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **70, 52.905, 167.763** is the 20% darker color. If you saturate the color by 10%, you get **89, 61.675, 167.455**, and if you desaturate by 10%, it is **91, 50.882, 170.808**.

Distribution



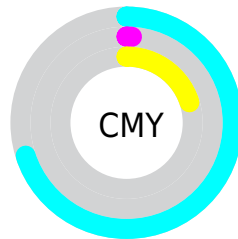
- Red (29%)
- Green (99%)
- Blue (80%)



- Red (29%)
- Yellow (70%)
- Blue (99%)



- Cyan (70%)
- Magenta (0%)
- Yellow (19%)
- Black (1%)





- Cyan (70%)
- Magenta (1%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 56.787, 169.226 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, 56.787, 169.226 by changing the saturation by 10% instead.


 90, 56.787,
169.226


 90, 56.787,
169.226


 100, 56.787,
169.226


 80, 56.787,
169.226

 70, 56.787,
169.226

 60, 56.787,
169.226

 50, 56.787,
169.226

 40, 56.787,
169.226

 30, 56.787,
169.226

 20, 56.787,

169.226

■ 10, 56.787,
169.226

■ 0, 56.787, 169.226

■ 90, 56.787,
169.226

■ 90, 56.787,
169.226

■ 89, 61.675,
167.455

■ 91, 50.882,
170.808

■ 89, 65.568,
165.485

■ 92, 44.018,
172.228

■ 89, 68.596,
163.410

■ 93, 36.315,
173.510

■ 94, 27.923,
174.680

96, 19.007,
175.760

97, 9.727, 176.784

99, 0.224, 180.246

100, 1.081,
324.193

Harmonies

Complementary

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



90, 56.787, 169.226



59, 70.912, 10.241

Rectangle

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



90, 56.787, 169.226



90, 56.787, 219.226



90, 56.787, 349.226



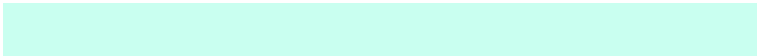
90, 56.787, 39.226

Sweetspot

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



90, 56.787, 169.225



96, 19.808, 175.680



90, 95.924, 132.745



51, 13.351, 175.388



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, 56.787, 169.225



90, 63.589, 166.732



80, 38.958, 229.587



52, 5.434, 176.858



69, 55.205, 163.803



23, 24.341, 166.712

Inverse Universe

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



59, 70.912, 10.241



56, 81.202, 15.932



65, 68.960, 42.601



50, 5.600, 358.534



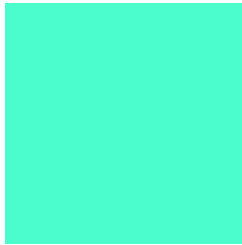
40, 71.578, 23.438



10, 31.570, 14.399

Previews

White Background



This preview shows how the CIE LCh color 90, 56.787, 169.226 looks on a white background.

Color Contrast Check

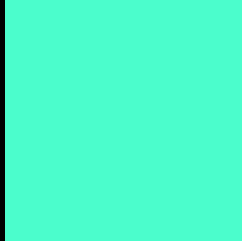
Large Text (above 18pt) WCAG AA × Fail

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, 56.787, 169.226 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, 56.787, 169.226

Background



This preview shows how black text looks on a background with the CIELCh color 90, 56.787, 169.226.

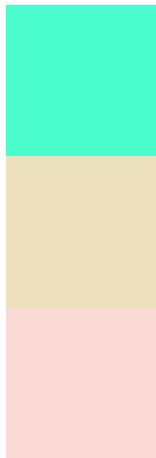


This preview shows how white text looks on a background with the CIELCh color 90, 56.787, 169.226.

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, 56.787, 169.226

Protanopia
89, 18.686, 94.452

Deuteranopia
89, 12.939, 31.745



Tritanopia
90, 28.724, 213.630

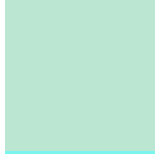
Trichromacy



Original Color
90, 56.787, 169.226



Protanomaly
88, 29.289, 152.327



Deuteranomaly
88, 18.876, 162.645

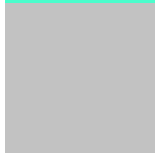


Tritanomaly
90, 37.158, 190.549

Monochromacy



Original Color
90, 56.787, 169.226



Achromatopsia
78, 0.009, 296.813



Achromatomaly
82, 24.464, 174.626

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 56.787, 169.226 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(75, 253, 204)` looks like.

```
.text, #text, p{  
    color:rgb(75, 253, 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(75, 253, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 253, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 56.787, 169.226 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(75, 253, 204) }
```

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

```
.border{ border-color:rgb(75, 253, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 253, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 253, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 253, 204);  
box-shadow:4px 4px 4px 4px rgb(75, 253,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 56.787, 169.226 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 253, 204) }
```

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

```
.background{ background-color: rgb(75, 253,  
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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