Converting Colors

CIELCh(90, 57.533, 173.613)

Have a look what the booklet for CIELCh(90, 57.533, 173.613) contains.

Color

CIELCh(90, 57.599, 173.506)

Conversions

Conversions Part 1

Format	Color
Hex	2FFED4
RGB	47, 254, 212
RGB Percent	18%, 100%, 83%
CMY	0.8150, 0.0036, 0.1683
CMYK	0.81, 0.00, 0.17, 0.00
HSL	168°, 99%, 59%
HSV	168°, 81%, 100%
XYZ	48.5427, 76.3034, 74.5100
YIQ	187.3190, -109.8900, -56.9460

Conversions

Conversions Part 2

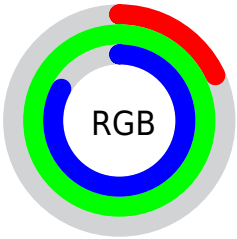
Format	Color
RYB	47, 162, 254
Decimal	3145428
CIELab	90.00, -57.23, 6.51
CIELCh	90, 57.599, 173.506
Yxy	76.3034, 0.2435, 0.3827
Android (android.graphics.Color)	4281335508 (0xFF2FFED4)
YUV	187.3190, 12.1677, -123.0598
Hunter-Lab	87.3518, -53.6706, 10.5726

Details

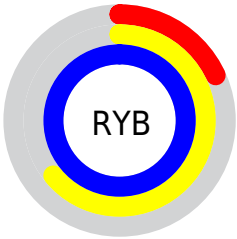
The CIELCh color 90, 57.599, 173.506 is a light color, and the websafe version is hex 33FFCC. The color can be described as light washed cyan. A complement of this color would be 56, 81.159, 20.718, and the grayscale version is 76, 0.009, 296.813.

A 20% lighter version of the original color is 93, 36.655, 197.170, and 71, 50.987, 170.867 is the 20% darker color. If you saturate the color by 10%, you get 90, 60.608, 171.755, and if you desaturate by 10%, it is 90, 53.583, 175.081.

Distribution

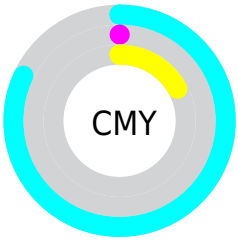


- Red (18%)
- Green (100%)
- Blue (83%)



- Red (18%)
- Yellow (64%)
- Blue (100%)

- Cyan (81%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (82%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 57.599, 173.506 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, 57.599, 173.506 by changing the saturation by 10% instead.

90, 57.599, 173.506

100, 57.599, 173.506

90, 57.599, 173.506

80, 57.599, 173.506

70, 57.599, 173.506

60, 57.599, 173.506

50, 57.599, 173.506

40, 57.599, 173.506

30, 57.599, 173.506

20, 57.599,

173.506

10, 57.599, 173.506

0, 57.599, 173.506

90, 57.599, 173.506

90, 60.608, 171.755

89, 62.560, 170.142

90, 57.599, 173.506

90, 53.583, 175.081

91, 48.515, 176.499

92, 42.435, 177.783

93, 35.442, 178.957

94, 27.679, 180.044

96, 19.301, 181.064

98, 10.466, 182.044

99, 1.321, 183.353

100, 0.575, 323.924

Harmonies

Complementary

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

90, 57.599, 173.506

56, 81.159, 20.718

Rectangle

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

90, 57.599, 173.506

90, 57.599, 223.506

90, 57.599, 353.506

90, 57.599, 43.506

Sweetspot

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

90, 57.599, 173.505

96, 21.566, 180.807

89, 108.088, 134.033

51, 14.699, 180.445

0, 0.000, 0.000

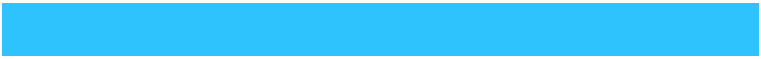
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

90, 57.599, 173.505

90, 62.294, 170.513



74, 43.444, 245.274

52, 5.234, 182.233

69, 50.300, 170.491

23, 22.433, 173.022

Inverse Universe

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

56, 81.159, 20.718

54, 92.480, 29.361

63, 79.508, 47.505

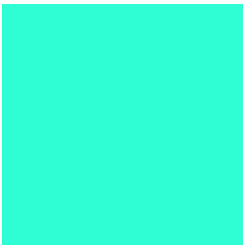
50, 5.435, 3.856

40, 74.797, 29.369

10, 31.966, 18.582

Previews

White Background

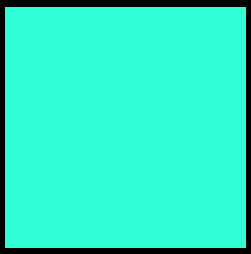


This preview shows how the CIELCh color 90, 57.599, 173.506 looks on a white background.

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, 57.599, 173.506 looks on a black background.

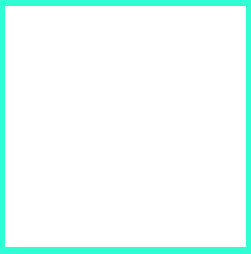
Color Contrast Check

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, 57.599, 173.506 Background

This preview shows how black text looks on a background with the CIELCh color 90, 57.599, 173.506.



This preview shows how white text looks on a background with the CIELCh color 90, 57.599, 173.506.

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

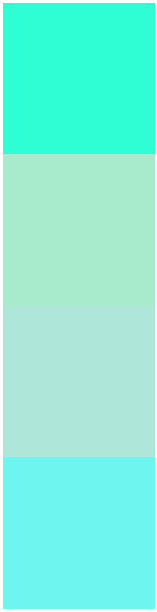
Original Color
90, 57.599, 173.506

Protanopia
89, 15.080, 92.960

Deuteranopia
89, 11.107, 12.145

Tritanopia
90, 29.423, 213.205

Trichromacy



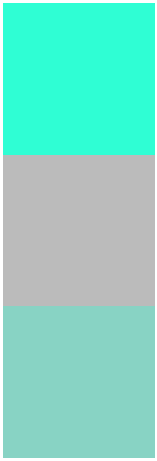
Original Color
90, 57.599, 173.506

Protanomaly
88, 29.483, 161.739

Deuteranomaly
87, 20.456, 178.542

Tritanomaly
89, 39.265, 192.308

Monochromacy



Original Color
90, 57.599, 173.506

Achromatopsia
76, 0.009, 296.813

Achromatomaly
80, 26.601, 179.889

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 57.599, 173.506 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(47, 254, 212) looks like.

```
.text, #text, p{
    color:rgb(47, 254, 212)
}
```

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(47, 254, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 254, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 57.599, 173.506 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(47, 254, 212) }
```

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

```
.border{ border-color:rgb(47, 254, 212) }
```

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

Here you see how a box with a 4 pixel rgb(47, 254, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(47, 254, 212); -webkit-box-shadow:4px 4px 4px 4px rgb(47, 254, 212); box-shadow:4px 4px 4px 4px rgb(47, 254, 212) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 57.599, 173.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(47, 254, 212) }
```

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

```
.background{ background-color:rgb(47, 254,
212) }
```

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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