

Converting Colors

CIELCh(90, 46.594, 199.699)

Have a look what the booklet for
CIELCh(90, 46.594, 199.699)
contains.

CIELCh(90, 46.545, 199.823)	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, 46.545, 199.823)

Conversions

Conversions Part 1

Format	Color
Hex	33FAFF
RGB	51, 250, 255
RGB Percent	20%, 98%, 100%
CMY	0.7998, 0.0195, 0.0000
CMYK	0.80, 0.02, 0.00, 0.00
HSL	181°, 100%, 60%
HSV	181°, 80%, 100%
XYZ	53.6073, 76.3034, 106.5203
YIQ	191.0690, -120.2090, -40.6330

Conversions

Conversions Part 2

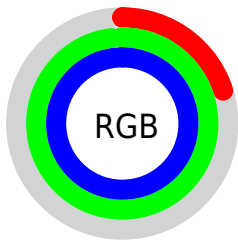
Format	Color
RYB	51, 152, 255
Decimal	3406591
CIELab	90.00, -43.79, -15.78
CIELCh	90, 46.545, 199.823
Yxy	76.3034, 0.2267, 0.3227
Android (android.graphics.Color)	4281596671 (0xFF33FAFF)
YUV	191.0690, 31.5180, -122.8405
Hunter-Lab	87.3518, -43.3211, -11.1543

Details

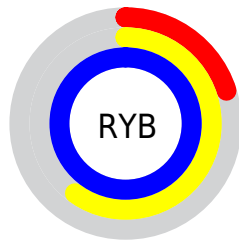
The CIELCh color **90, 46.545, 199.823** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.420, 34.978**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.582, 197.234**, and **71, 39.984, 200.439** is the 20% darker color. If you saturate the color by 10%, you get **90, 47.897, 200.039**, and if you desaturate by 10%, it is **91, 44.140, 199.699**.

Distribution



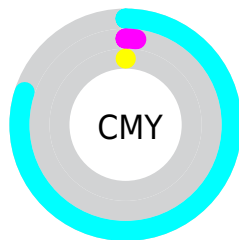
- Red (20%)
- Green (98%)
- Blue (100%)



- Red (20%)
- Yellow (60%)
- Blue (100%)



- Cyan (80%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (80%)
- Magenta (2%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 46.545, 199.823 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, 46.545, 199.823 by changing the saturation by 10% instead.


 90, 46.545,
199.823


 90, 46.545,
199.823


 100, 46.545,
199.823


 80, 46.545,
199.823

 70, 46.545,
199.823

 60, 46.545,
199.823

 50, 46.545,
199.823

 40, 46.545,
199.823

 30, 46.545,
199.823

 20, 46.545,

199.823

■ 10, 46.545,
199.823

■ 0, 46.545, 199.823

■ 90, 46.545,
199.823

■ 90, 46.545,
199.823

■ 90, 47.897,
200.039

■ 91, 44.140,
199.699

■ 89, 48.402,
200.365

■ 91, 40.619,
199.697

■ 89, 48.402,
200.365

■ 92, 35.998,
199.799

■ 93, 30.349,
199.999

■ 95, 23.784,
200.286

■ 96, 16.440,
200.652

■ 98, 8.461, 201.106

100, 0.012,
296.813

Harmonies

Complementary

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



90, 46.545, 199.823



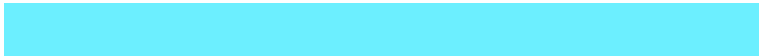
56, 88.420, 34.978

Rectangle

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



90, 46.545, 199.823



90, 46.545, 249.823



90, 46.545, 19.823



90, 46.545, 69.823

Sweetspot

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



90, 46.546, 199.813



96, 19.474, 200.496



88, 110.820, 137.312



50, 13.203, 200.367



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, 46.546, 199.813



89, 48.260, 200.228



61, 60.812, 277.693



52, 4.824, 201.132



69, 39.007, 200.295



23, 18.017, 199.809

Inverse Universe

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



62, 106.846, 328.880



60, 112.754, 329.191



73, 72.557, 66.216



50, 8.908, 325.608



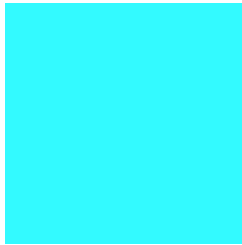
45, 91.315, 329.229



12, 42.106, 329.107

Previews

White Background



This preview shows how the CIE LCh color 90, 46.545, 199.823 looks on a white background.

Color Contrast Check

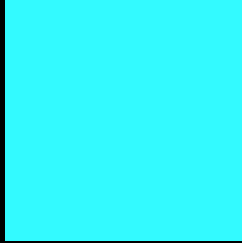
Large Text (above 18pt) WCAG AA × Fail

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, 46.545, 199.823 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, 46.545, 199.823

Background



This preview shows how black text looks on a background with the CIELCh color 90, 46.545, 199.823.

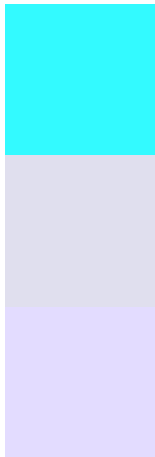


This preview shows how white text looks on a background with the CIELCh color 90, 46.545, 199.823.

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, 46.545, 199.823

Protanopia
89, 7.831, 293.371

Deuteranopia
89, 18.449, 299.015



Tritanopia
90, 30.072, 211.770

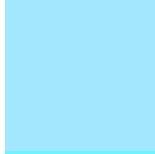
Trichromacy



Original Color
90, 46.545, 199.823



Protanomaly
88, 23.249, 212.410



Deuteranomaly
88, 24.024, 229.924

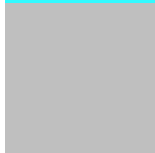


Tritanomaly
89, 37.504, 206.013

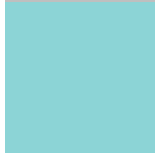
Monochromacy



Original Color
90, 46.545, 199.823



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 23.312, 200.417

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 46.545, 199.823 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(51, 250, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 250, 255)  
}
```

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(51, 250, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 250, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 46.545, 199.823 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(51, 250, 255) }
```

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

```
.border{ border-color:rgb(51, 250, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 250, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 250, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 250, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 250,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 46.545, 199.823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 250, 255) }
```

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

```
.background{ background-color: rgb(51, 250,  
255) }
```

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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