

Converting Colors

CIELCh(90, 46.956, 198.742)

Have a look what the booklet for
CIELCh(90, 46.956, 198.742)
contains.

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Color

CIELCh(90, 46.811, 199.137)

Conversions

Conversions Part 1

Format	Color
Hex	31FAFE
RGB	49, 250, 254
RGB Percent	19%, 98%, 100%
CMY	0.8064, 0.0189, 0.0033
CMYK	0.81, 0.02, 0.00, 0.00
HSL	181°, 99%, 60%
HSV	181°, 81%, 100%
XYZ	53.4373, 76.3034, 105.8166
YIQ	190.3570, -121.0800, -41.3680

Conversions

Conversions Part 2

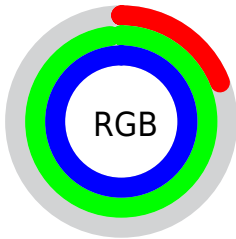
Format	Color
RYB	49, 150, 254
Decimal	3275518
CIELab	90.00, -44.22, -15.35
CIELCh	90, 46.811, 199.137
Yxy	76.3034, 0.2269, 0.3239
Android (android.graphics.Color)	4281465598 (0xFF31FAFE)
YUV	190.3570, 31.3760, -123.9701
Hunter-Lab	87.3518, -43.6685, -10.6767

Details

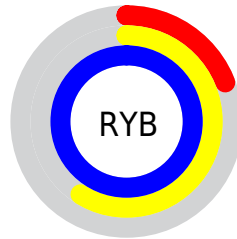
The CIELCh color **90, 46.811, 199.137** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.992, 35.023**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **71, 40.101, 199.619** is the 20% darker color. If you saturate the color by 10%, you get **90, 48.128, 199.302**, and if you desaturate by 10%, it is **91, 44.447, 199.071**.

Distribution



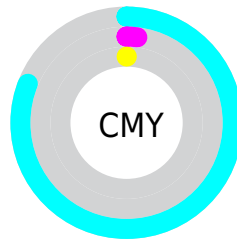
- Red (19%)
- Green (98%)
- Blue (100%)



- Red (19%)
- Yellow (59%)
- Blue (100%)



- Cyan (81%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (2%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 46.811, 199.137 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, 46.811, 199.137 by changing the saturation by 10% instead.


 90, 46.811,
199.137


 90, 46.811,
199.137


 100, 46.811,
199.137


 80, 46.811,
199.137

 70, 46.811,
199.137

 60, 46.811,
199.137

 50, 46.811,
199.137

 40, 46.811,
199.137

 30, 46.811,
199.137

 20, 46.811,

199.137

■ 10, 46.811,
199.137

■ 0, 46.811, 199.137

■ 90, 46.811,
199.137

■ 90, 46.811,
199.137

■ 90, 48.128,
199.302

■ 91, 44.447,
199.071

■ 89, 48.611,
199.538

■ 91, 40.972,
199.108

■ 92, 36.396,
199.243

■ 93, 30.786,
199.468

95, 24.254,
199.777

96, 16.932,
200.161

98, 8.967, 200.628

100, 0.497,
202.368

100, 0.258, 80.240

Harmonies

Complementary

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



90, 46.811, 199.137



56, 88.992, 35.023

Rectangle

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



90, 46.811, 199.137



90, 46.811, 249.137



90, 46.811, 19.137



90, 46.811, 69.137

Sweetspot

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



90, 46.810, 199.136



96, 19.572, 200.021



88, 110.969, 137.258



51, 13.270, 199.885



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, 46.810, 199.136



90, 48.617, 199.459



61, 61.091, 277.939



52, 4.848, 200.686



69, 39.269, 199.483



23, 18.124, 199.100

Inverse Universe

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



62, 107.295, 328.719



60, 113.333, 329.002



73, 72.862, 66.108



50, 8.938, 325.473



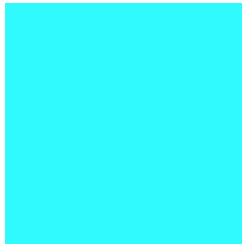
45, 91.669, 329.024



12, 42.250, 328.927

Previews

White Background



This preview shows how the CIE LCh color 90, 46.811, 199.137 looks on a white background.

Color Contrast Check

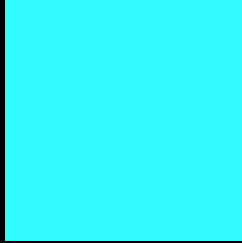
Large Text (above 18pt) WCAG AA × Fail

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, 46.811, 199.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

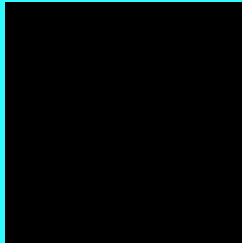
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 46.811, 199.137

Background



This preview shows how black text looks on a background with the CIELCh color 90, 46.811, 199.137.

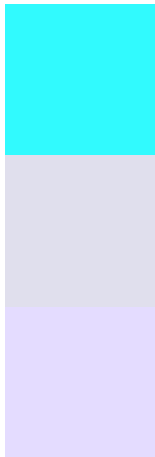


This preview shows how white text looks on a background with the CIELCh color 90, 46.811, 199.137.

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, 46.811, 199.137

Protanopia
89, 7.311, 293.517

Deuteranopia
89, 18.499, 300.058

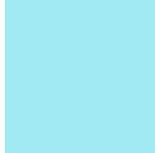


Tritanopia
90, 30.072, 211.770

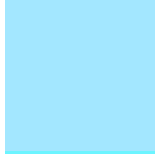
Trichromacy



Original Color
90, 46.811, 199.137



Protanomaly
88, 23.196, 211.095



Deuteranomaly
88, 24.024, 229.924

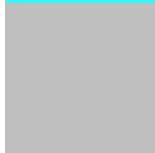


Tritanomaly
89, 37.682, 205.960

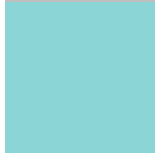
Monochromacy



Original Color
90, 46.811, 199.137



Achromatopsia
77, 0.009, 296.813



Achromatomaly
81, 23.641, 199.054

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 46.811, 199.137 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(49, 250, 254)` looks like.

```
.text, #text, p{  
    color:rgb(49, 250, 254)  
}
```

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(49, 250, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 250, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 46.811, 199.137 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(49, 250, 254) }
```

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

```
.border{ border-color:rgb(49, 250, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 250, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 250, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 250, 254);  
box-shadow:4px 4px 4px 4px rgb(49, 250,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 46.811, 199.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 250, 254) }
```

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

```
.background{ background-color: rgb(49, 250,  
254) }
```

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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