

Converting Colors

CIELCh(90, 47.256, 198.965)

Have a look what the booklet for
CIELCh(90, 47.256, 198.965)
contains.

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Color

CIElCh(90, 47.174, 199.096)

Conversions

Conversions Part 1

Format	Color
Hex	2DFAFE
RGB	45, 250, 254
RGB Percent	18%, 98%, 100%
CMY	0.8244, 0.0183, 0.0026
CMYK	0.82, 0.02, 0.00, 0.00
HSL	181°, 99%, 59%
HSV	181°, 82%, 100%
XYZ	53.2999, 76.3034, 105.9562
YIQ	189.1610, -123.4640, -42.2160

Conversions

Conversions Part 2

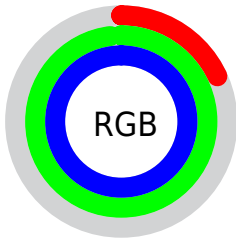
Format	Color
R _Y B	45, 148, 254
Decimal	3013374
CIE Lab	90.00, -44.58, -15.43
CIE LCh	90, 47.174, 199.096
Yxy	76.3034, 0.2263, 0.3239
Android (android.graphics.Color)	4281203454 (0xFF2DFAFE)
YUV	189.1610, 31.9656, -126.4292
Hunter-Lab	87.3518, -43.9493, -10.7715

Details

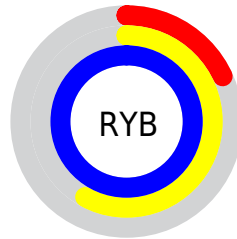
The CIELCh color **90, 47.174, 199.096** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 90.982, 35.625**, and the grayscale version is **77, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **71, 40.101, 199.619** is the 20% darker color. If you saturate the color by 10%, you get **90, 48.318, 199.272**, and if you desaturate by 10%, it is **90, 45.004, 199.017**.

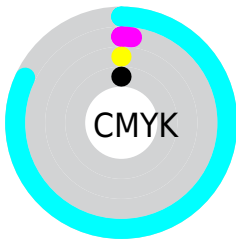
Distribution



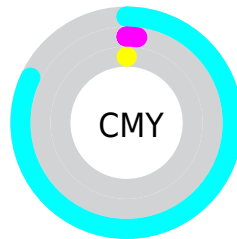
- Red (18%)
- Green (98%)
- Blue (100%)



- Red (18%)
- Yellow (58%)
- Blue (100%)



- Cyan (82%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)





- Cyan (82%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 47.174, 199.096 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, 47.174, 199.096 by changing the saturation by 10% instead.


 90, 47.174,
199.096


 90, 47.174,
199.096


 100, 47.174,
199.096


 80, 47.174,
199.096

 70, 47.174,
199.096

 60, 47.174,
199.096

 50, 47.174,
199.096

 40, 47.174,
199.096

 30, 47.174,
199.096

 20, 47.174,

199.096

■ 10, 47.174,
199.096

■ 0, 47.174, 199.096

■ 90, 47.174,
199.096

■ 90, 47.174,
199.096

■ 90, 48.318,
199.272

■ 90, 45.004,
199.017

■ 89, 48.665,
199.462

■ 91, 41.729,
199.040

■ 92, 37.345,
199.161

■ 93, 31.910,
199.373

■ 94, 25.530,
199.670

■ 96, 18.334,
200.043

■ 97, 10.468,
200.494

■ 99, 2.072, 201.225

100, 0.205, 78.266

Harmonies

Complementary

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



90, 47.174, 199.096



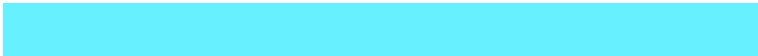
56, 90.982, 35.625

Rectangle

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



90, 47.174, 199.096



90, 47.174, 249.096



90, 47.174, 19.096



90, 47.174, 69.096

Sweetspot

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



90, 47.173, 199.095



96, 20.324, 199.938



88, 112.294, 137.093



50, 13.684, 199.805



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, 47.173, 199.095



90, 48.724, 199.437



60, 62.480, 278.726



52, 4.850, 200.645



69, 39.293, 199.409



23, 18.134, 199.036

Inverse Universe

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



62, 108.408, 328.744



60, 113.673, 329.007



72, 74.391, 65.754



50, 8.941, 325.460



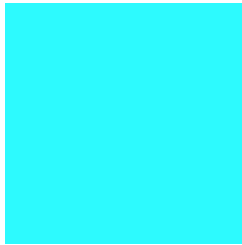
45, 91.701, 329.005



12, 42.263, 328.911

Previews

White Background



This preview shows how the CIE LCh color 90, 47.174, 199.096 looks on a white background.

Color Contrast Check

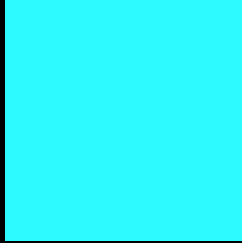
Large Text (above 18pt) WCAG AA × Fail

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, 47.174, 199.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

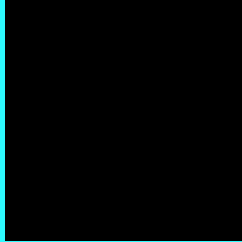
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

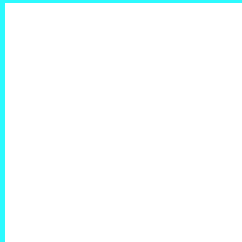
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 47.174, 199.096

Background



This preview shows how black text looks on a background with the CIELCh color 90, 47.174, 199.096.

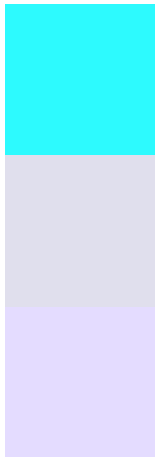


This preview shows how white text looks on a background with the CIELCh color 90, 47.174, 199.096.

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, 47.104, 199.104

Protanopia

89, 7.311, 293.517

Deuteranopia

89, 18.499, 300.058



Tritanopia
90, 30.301, 211.649

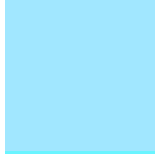
Trichromacy



Original Color
90, 47.104, 199.104



Protanomaly
88, 23.730, 210.764



Deuteranomaly
88, 24.483, 229.240

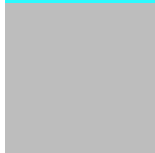


Tritanomaly
89, 38.035, 205.858

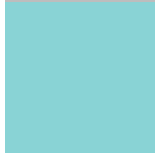
Monochromacy



Original Color
90, 47.104, 199.104



Achromatopsia
77, 0.009, 296.813



Achromatomaly
80, 23.867, 200.314

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 47.174, 199.096 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(45, 250, 254)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 250, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 250, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 47.174, 199.096 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(45, 250, 254) }
```

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

```
.border{ border-color:rgb(45, 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(45, 250, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 250, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 250, 254);  
box-shadow:4px 4px 4px 4px rgb(45, 250,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 47.174, 199.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 250, 254) }
```

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

```
.background{ background-color: rgb(45, 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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