

Converting Colors

CIELCh(90, 49.279, 196.221)

Have a look what the booklet for
CIELCh(90, 49.279, 196.221)
contains.

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Color

CIElCh(90, 49.169, 196.406)

Conversions

Conversions Part 1

Format	Color
Hex	12FBFB
RGB	18, 251, 251
RGB Percent	7%, 98%, 98%
CMY	0.9304, 0.0144, 0.0145
CMYK	0.93, 0.00, 0.00, 0.01
HSL	180°, 97%, 53%
HSV	180°, 93%, 99%
XYZ	52.3022, 76.3034, 103.4965
YIQ	181.3330, -138.8680, -49.3960

Conversions

Conversions Part 2

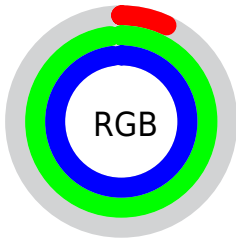
Format	Color
R _Y B	18, 135, 251
Decimal	1244155
CIE Lab	90.00, -47.17, -13.89
CIE LCh	90, 49.169, 196.406
Yxy	76.3034, 0.2253, 0.3287
Android (android.graphics.Color)	4279434235 (0xFF12FBFB)
YUV	181.3330, 34.3458, -143.2430
Hunter-Lab	87.3518, -45.9881, -9.1019

Details

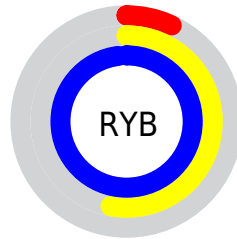
The CIELCh color **90, 49.169, 196.406** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **53, 99.698, 38.514**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **71, 40.652, 197.182** is the 20% darker color. If you saturate the color by 10%, you get **90, 49.567, 196.382**, and if you desaturate by 10%, it is **90, 47.962, 196.475**.

Distribution



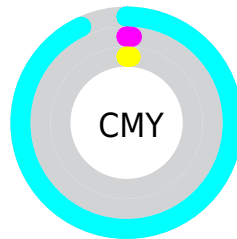
- Red (7%)
- Green (98%)
- Blue (98%)



- Red (7%)
- Yellow (53%)
- Blue (98%)



- Cyan (93%)
- Magenta (0%)
- Yellow (0%)
- Black (1%)





- Cyan (93%)
- Magenta (1%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 49.169, 196.406 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, 49.169, 196.406 by changing the saturation by 10% instead.


 90, 49.169,
196.406


 90, 49.169,
196.406


 100, 49.169,
196.406


 80, 49.169,
196.406

 70, 49.169,
196.406

 60, 49.169,
196.406

 50, 49.169,
196.406

 40, 49.169,
196.406

 30, 49.169,
196.406

 20, 49.169,

196.406

■ 10, 49.169,
196.406

■ 0, 49.169, 196.406

■ 90, 49.169,
196.406

■ 90, 49.169,
196.406

■ 90, 49.567,
196.382

■ 90, 47.962,
196.475

■ 91, 45.752,
196.604

■ 91, 42.449,
196.798

■ 92, 38.042,
197.060

■ 93, 32.584,
197.389

■ 94, 26.172,
197.783

■ 95, 18.936,
198.239

■ 96, 11.019,
198.759

■ 98, 2.564, 199.494

Harmonies

Complementary

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



90, 49.169, 196.406



53, 99.698, 38.514

Rectangle

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



90, 49.169, 196.406



90, 49.169, 246.406



90, 49.169, 16.406



90, 49.169, 66.406

Sweetspot

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



90, 49.168, 196.405



96, 22.962, 197.999



87, 116.768, 136.153



50, 15.581, 197.808



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, 49.168, 196.405



91, 50.116, 196.382



57, 65.446, 280.038



51, 4.864, 198.961



69, 39.964, 196.382



23, 18.081, 196.382

Inverse Universe

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



53, 99.698, 38.514



53, 104.574, 39.999



67, 81.665, 60.478



49, 5.167, 19.939



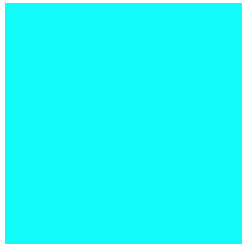
39, 83.390, 39.999



9, 32.195, 26.138

Previews

White Background



This preview shows how the CIE LCh color 90, 49.169, 196.406 looks on a white background.

Color Contrast Check

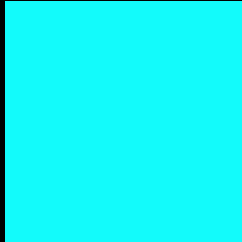
Large Text (above 18pt) WCAG AA × Fail

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, 49.169, 196.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

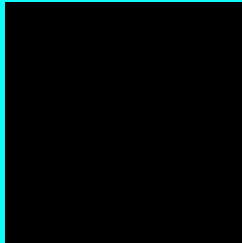
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 49.169, 196.406

Background



This preview shows how black text looks on a background with the CIELCh color 90, 49.169, 196.406.



This preview shows how white text looks on a background with the CIELCh color 90, 49.169, 196.406.

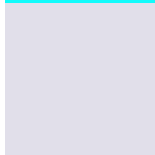
Color Blindness Simulation

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, 49.111, 196.410



Protanopia
89, 5.788, 297.627



Deuteranopia
89, 19.143, 301.873



Tritanopia
90, 30.528, 211.530

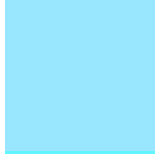
Trichromacy



Original Color
90, 49.111, 196.410



Protanomaly
88, 26.044, 205.905



Deuteranomaly
87, 26.355, 225.407

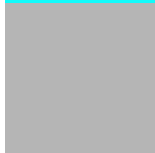


Tritanomaly
89, 39.989, 203.774

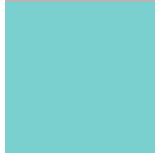
Monochromacy



Original Color
90, 49.111, 196.410



Achromatopsia
74, 0.009, 296.813



Achromatomaly
78, 26.929, 197.478

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 49.169, 196.406 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(18, 251, 251)` looks like.

```
.text, #text, p{  
    color:rgb(18, 251, 251)  
}
```

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(18, 251, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 251, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 49.169, 196.406 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(18, 251, 251) }
```

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

```
.border{ border-color:rgb(18, 251, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 251, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 251, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 251, 251);  
box-shadow:4px 4px 4px 4px rgb(18, 251,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 49.169, 196.406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 251, 251) }
```

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

```
.background{ background-color: rgb(18, 251,  
251) }
```

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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