

Converting Colors

CIELCh(90, 49.008, 198.727)

Have a look what the booklet for
CIELCh(90, 49.008, 198.727)
contains.

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Color

CIELCh(90, 48.953, 198.908)

Conversions

Conversions Part 1

Format	Color
Hex	03FBFF
RGB	3, 251, 255
RGB Percent	1%, 98%, 100%
CMY	0.9888, 0.0153, 0.0000
CMYK	0.99, 0.02, 0.00, 0.00
HSL	181°, 100%, 51%
HSV	181°, 99%, 100%
XYZ	52.6305, 76.3034, 106.6476
YIQ	177.3040, -149.0920, -51.3320

Conversions

Conversions Part 2

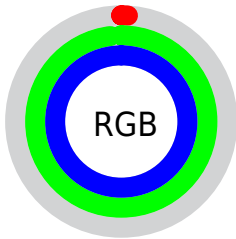
Format	Color
R _Y B	3, 128, 255
Decimal	261119
CIE Lab	90.00, -46.31, -15.86
CIE LCh	90, 48.953, 198.908
Yxy	76.3034, 0.2234, 0.3239
Android (android.graphics.Color)	4278451199 (0xFF03FBFF)
YUV	177.3040, 38.3041, -152.8646
Hunter-Lab	87.3518, -45.3172, -11.2407

Details

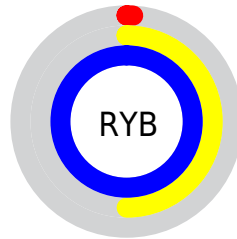
The CIELCh color **90, 48.953, 198.908** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 103.815, 39.878**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **71, 40.258, 199.603** is the 20% darker color. If you saturate the color by 10%, you get **90, 49.010, 198.864**, and if you desaturate by 10%, it is **90, 48.346, 198.661**.

Distribution



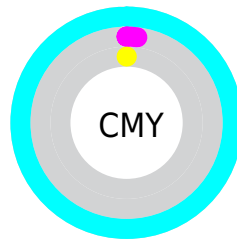
- Red (1%)
- Green (98%)
- Blue (100%)



- Red (1%)
- Yellow (50%)
- Blue (100%)



- Cyan (99%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (2%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 48.953, 198.908 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, 48.953, 198.908 by changing the saturation by 10% instead.


 90, 48.953,
198.908


 90, 48.953,
198.908

 100, 48.953,
198.908


 80, 48.953,
198.908

 70, 48.953,
198.908

 60, 48.953,
198.908

 50, 48.953,
198.908

 40, 48.953,
198.908

 30, 48.953,
198.908

 20, 48.953,

198.908

■ 10, 48.953,
198.908

■ 0, 48.953, 198.908

■ 90, 48.953,
198.908

■ 90, 48.953,
198.908

■ 90, 49.010,
198.864

■ 90, 48.346,
198.661

■ 91, 46.833,
198.565

■ 91, 44.255,
198.561

■ 92, 40.559,
198.651

■ 93, 35.765,
198.831

■ 94, 29.948,
199.096

■ 95, 23.225,
199.439

■ 97, 15.733,
199.854

■ 98, 7.617, 200.356

Harmonies

Complementary

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



90, 48.953, 198.908



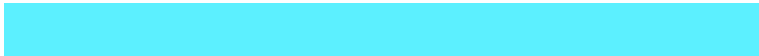
53, 103.815, 39.878

Rectangle

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



90, 48.953, 198.908



90, 48.953, 248.908



90, 48.953, 18.908



90, 48.953, 68.908

Sweetspot

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



90, 48.965, 198.841



95, 24.017, 199.397



88, 119.550, 136.046



50, 16.101, 199.247



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, 48.965, 198.841



90, 49.010, 198.864



55, 72.818, 284.539



52, 4.868, 200.320



69, 39.490, 198.820



23, 18.214, 198.521

Inverse Universe

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



60, 113.981, 328.855



60, 114.152, 328.867



67, 85.048, 60.098



50, 8.963, 325.362



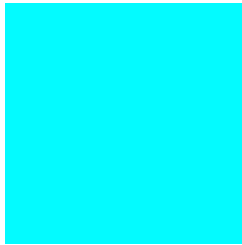
45, 91.963, 328.856



12, 42.369, 328.780

Previews

White Background



This preview shows how the CIE LCh color 90, 48.953, 198.908 looks on a white background.

Color Contrast Check

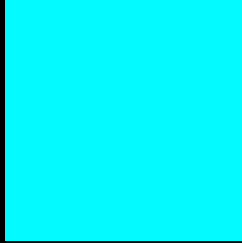
Large Text (above 18pt) WCAG AA × Fail

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, 48.953, 198.908 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

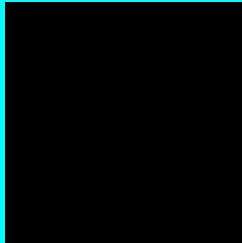
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

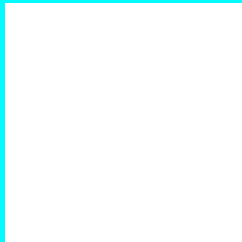
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 48.953, 198.908

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.953, 198.908.

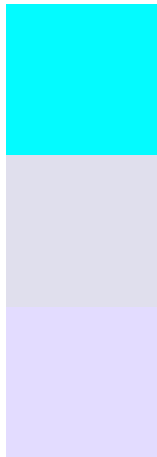


This preview shows how white text looks on a background with the CIELCh color 90, 48.953, 198.908.

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, 48.933, 198.911

Protanopia
89, 7.311, 293.517

Deuteranopia
89, 18.449, 299.015



Tritanopia
90, 30.528, 211.530

Trichromacy



Original Color
90, 48.933, 198.911



Protanomaly
87, 27.597, 209.847



Deuteranomaly
87, 28.074, 224.734

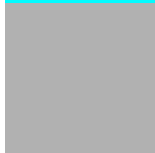


Tritanomaly
89, 40.849, 204.335

Monochromacy



Original Color
90, 48.933, 198.911



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 28.084, 198.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.953, 198.908 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(3, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(3, 251, 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(3, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 251, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.953, 198.908 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(3, 251, 255) }
```

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

```
.border{ border-color:rgb(3, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(3, 251,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.953, 198.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 251, 255) }
```

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

```
.background{ background-color: rgb(3, 251,  
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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