

Converting Colors

CIELCh(90, 49.007, 198.872)

Have a look what the booklet for
CIELCh(90, 49.007, 198.872)
contains.

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Color

CIElCh(90, 48.973, 198.906)

Conversions

Conversions Part 1

Format	Color
Hex	02FBFF
RGB	2, 251, 255
RGB Percent	1%, 98%, 100%
CMY	0.9925, 0.0152, 0.0000
CMYK	0.99, 0.02, 0.00, 0.00
HSL	181°, 100%, 50%
HSV	181°, 99%, 100%
XYZ	52.6230, 76.3034, 106.6554
YIQ	177.0050, -149.6880, -51.5440

Conversions

Conversions Part 2

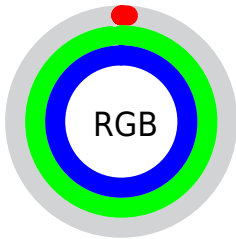
Format	Color
R_{YB}	2, 127, 255
Decimal	195583
CIE _{Lab}	90.00, -46.33, -15.87
CIE _{LCh}	90, 48.973, 198.906
Yxy	76.3034, 0.2234, 0.3239
Android (android.graphics.Color)	4278385663 (0xFF02FBFF)
YUV	177.0050, 38.4515, -153.4794
Hunter-Lab	87.3518, -45.3325, -11.2461

Details

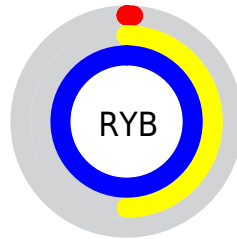
The CIELCh color **90, 48.973, 198.906** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 104.001, 39.952**, and the grayscale version is **72, 0.009, 296.813**.

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, 49.017, 198.849**, and if you desaturate by 10%, it is **90, 48.388, 198.653**.

Distribution



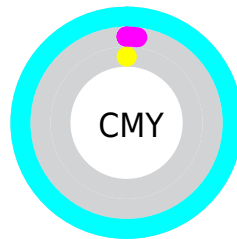
- Red (1%)
- Green (98%)
- Blue (100%)



- 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, 48.973, 198.906 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, 48.973, 198.906 by changing the saturation by 10% instead.

 90, 48.973,
198.906


 90, 48.973,
198.906

 100, 48.973,
198.906


 80, 48.973,
198.906

 70, 48.973,
198.906

 60, 48.973,
198.906

 50, 48.973,
198.906

 40, 48.973,
198.906

 30, 48.973,
198.906

 20, 48.973,

198.906

■ 10, 48.973,
198.906

■ 0, 48.973, 198.906

■ 90, 48.973,
198.906

■ 90, 48.973,
198.906

■ 90, 49.017,
198.849

■ 90, 48.388,
198.653

■ 91, 46.911,
198.554

■ 91, 44.373,
198.548

■ 92, 40.717,
198.635

■ 93, 35.961,
198.813

■ 94, 30.180,
199.076

■ 95, 23.486,
199.416

■ 97, 16.019,
199.829

■ 98, 7.923, 200.327

Harmonies

Complementary

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



90, 48.973, 198.906



53, 104.001, 39.952

Rectangle

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



90, 48.973, 198.906



90, 48.973, 248.906



90, 48.973, 18.906



90, 48.973, 68.906

Sweetspot

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



90, 48.986, 198.834



95, 24.020, 199.388



88, 119.624, 136.036



50, 16.102, 199.237



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, 48.986, 198.834



90, 49.017, 198.849



55, 73.093, 284.699



52, 4.868, 200.312



69, 39.495, 198.806



23, 18.216, 198.508

Inverse Universe

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



60, 114.045, 328.855



60, 114.161, 328.863



67, 85.226, 59.994



50, 8.963, 325.359



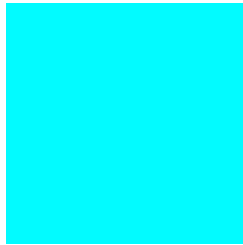
45, 91.969, 328.852



12, 42.372, 328.777

Previews

White Background



This preview shows how the CIE LCh color 90, 48.973, 198.906 looks on a white background.

Color Contrast Check

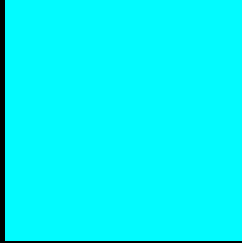
Large Text (above 18pt) WCAG AA × Fail

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, 48.973, 198.906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

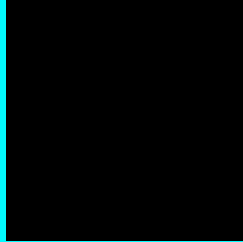
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

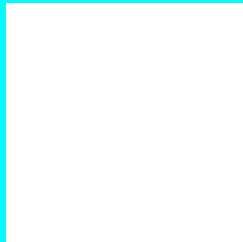
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 48.973, 198.906

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.973, 198.906.

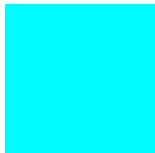


This preview shows how white text looks on a background with the CIELCh color 90, 48.973, 198.906.

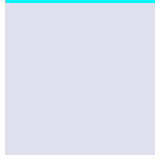
Color Blindness Simulation

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, 48.953, 198.908



Protanopia
89, 7.311, 293.517



Deuteranopia
89, 18.449, 299.015



Tritanopia
90, 30.528, 211.530

Trichromacy



Original Color
90, 48.953, 198.908



Protanomaly
87, 27.841, 209.725



Deuteranomaly
87, 28.074, 224.734

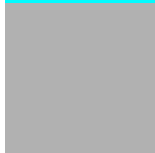


Tritanomaly
89, 40.849, 204.335

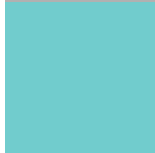
Monochromacy



Original Color
90, 48.953, 198.908



Achromatopsia
72, 0.009, 296.813



Achromatomaly
77, 28.326, 198.462

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.973, 198.906 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(2, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(2, 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(2, 251, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 90, 48.973, 198.906 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(2, 251, 255) }
```

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

```
.border{ border-color:rgb(2, 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(2, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(2, 251,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.973, 198.906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 251, 255) }
```

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

```
.background{ background-color: rgb(2, 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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