

Converting Colors

CIELCh(93, 94.231, 262.533)

Have a look what the booklet for
CIELCh(93, 94.231, 262.533)
contains.

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Color

CIELCh(90, 49.266, 198.263)

Conversions

Conversions Part 1

Format	Color
Hex	00FBFE
RGB	0, 251, 254
RGB Percent	0%, 98%, 100%
CMY	1.0000, 0.0146, 0.0028
CMYK	1.00, 0.01, 0.00, 0.00
HSL	181°, 100%, 50%
HSV	181°, 100%, 100%
XYZ	52.4489, 76.3034, 105.9656
YIQ	176.2930, -150.5590, -52.2790

Conversions

Conversions Part 2

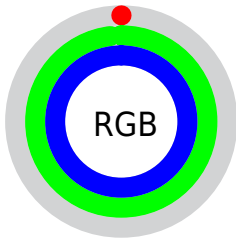
Format	Color
RYB	0, 126, 254
Decimal	64510
CIELab	90.00, -46.78, -15.44
CIELCh	90, 49.266, 198.263
Yxy	76.3034, 0.2235, 0.3251
Android (android.graphics.Color)	4278254590 (0xFF00FBFE)
YUV	176.2930, 38.3096, -154.6090
Hunter-Lab	87.3518, -45.6883, -10.7779

Details

The CIELCh color **90, 49.266, 198.263** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 104.210, 40.083**, 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, 40.382, 198.791** is the 20% darker color. If you saturate the color by 10%, you get **90, 49.157, 198.272**, and if you desaturate by 10%, it is **90, 48.578, 198.141**.

Distribution



- Red (0%)
- Green (98%)
- Blue (100%)



- Red (0%)
- Yellow (49%)
- Blue (100%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 49.266, 198.263 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, 49.266, 198.263 by changing the saturation by 10% instead.


 90, 49.266,
198.263


 90, 49.266,
198.263

 100, 49.266,
198.263


 80, 49.266,
198.263

 70, 49.266,
198.263

 60, 49.266,
198.263

 50, 49.266,
198.263

 40, 49.266,
198.263

 30, 49.266,
198.263

 20, 49.266,

198.263

■ 10, 49.266,
198.263

■ 0, 49.266, 198.263

■ 90, 49.266,
198.263

■ 90, 49.266,
198.263

■ 90, 49.157,
198.272

■ 90, 48.578,
198.141

■ 91, 47.158,
198.080

■ 91, 44.686,
198.105

■ 92, 41.101,
198.217

■ 92, 36.414,
198.414

■ 94, 30.694,
198.692

■ 95, 24.053,
199.045

■ 96, 16.628,
199.468

■ 98, 8.563, 199.970

Harmonies

Complementary

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



90, 49.266, 198.263



53, 104.210, 40.083

Rectangle

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



90, 49.266, 198.263



90, 49.266, 248.263



90, 49.266, 18.263



90, 49.266, 68.263

Sweetspot

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



90, 49.157, 198.272



95, 24.108, 199.045



88, 119.523, 136.016



50, 16.162, 198.887



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, 49.157, 198.272



90, 49.262, 198.272



54, 73.496, 285.022



52, 4.886, 199.999



70, 39.689, 198.240



23, 18.296, 198.013

Inverse Universe

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



60, 114.238, 328.716



60, 114.482, 328.716



67, 85.412, 59.790



50, 8.985, 325.264



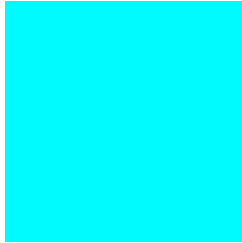
45, 92.224, 328.708



12, 42.475, 328.650

Previews

White Background



This preview shows how the CIE LCh color 90, 49.266, 198.263 looks on a white background.

Color Contrast Check

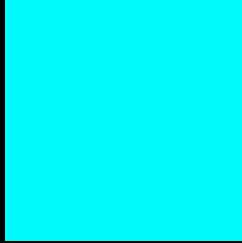
Large Text (above 18pt) WCAG AA × Fail

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, 49.266, 198.263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

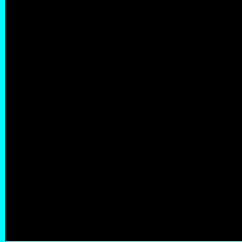
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 49.266, 198.263

Background



This preview shows how black text looks on a background with the CIELCh color 90, 49.266, 198.263.

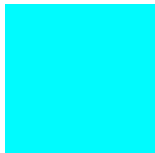


This preview shows how white text looks on a background with the CIELCh color 90, 49.266, 198.263.

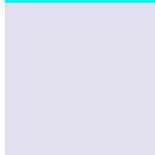
Color Blindness Simulation

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, 49.117, 198.270



Protanopia
89, 7.340, 296.241



Deuteranopia
89, 18.499, 300.058



Tritanopia
90, 30.301, 211.649

Trichromacy



Original Color
90, 49.117, 198.270



Protanomaly
87, 27.823, 208.612

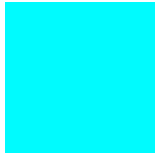


Deuteranomaly
87, 28.074, 224.734

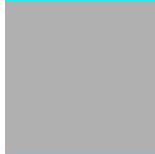


Tritanomaly
89, 40.849, 204.335

Monochromacy



Original Color
90, 49.117, 198.270



Achromatopsia
72, 0.009, 296.813



Achromatomaly
76, 28.322, 198.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 49.266, 198.263 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(0, 251, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 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(0, 251, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 49.266, 198.263 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(0, 251, 254) }
```

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

```
.border{ border-color:rgb(0, 251, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 251, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 251,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 49.266, 198.263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 254) }
```

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

```
.background{ background-color: rgb(0, 251,  
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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