

Converting Colors

CIELCh(91, 49.710, 196.409)

Have a look what the booklet for
CIELCh(91, 49.710, 196.409)
contains.

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Color

CIELCh(91, 49.623, 196.406)

Conversions

Conversions Part 1

Format	Color
Hex	12FEFE
RGB	18, 254, 254
RGB Percent	7%, 100%, 100%
CMY	0.9277, 0.0022, 0.0022
CMYK	0.93, 0.00, 0.00, 0.00
HSL	180°, 100%, 54%
HSV	180°, 93%, 100%
XYZ	53.8002, 78.4833, 106.4488
YIQ	183.4360, -140.6560, -50.0320

Conversions

Conversions Part 2

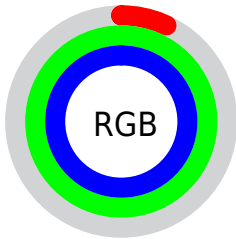
Format	Color
R _Y B	18, 136, 254
Decimal	1244926
CIE Lab	91.00, -47.60, -14.02
CIE LCh	91, 49.623, 196.406
Yxy	78.4833, 0.2254, 0.3288
Android (android.graphics.Color)	4279435006 (0xFF12FEFE)
YUV	183.4360, 34.7881, -145.0874
Hunter-Lab	88.5908, -46.6330, -9.2280

Details

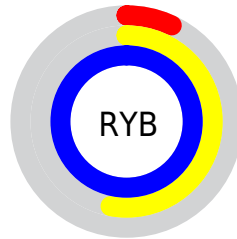
The CIELCh color **91, 49.623, 196.406** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **54, 100.557, 38.483**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **72, 40.966, 197.175** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.034, 196.381**, and if you desaturate by 10%, it is **91, 48.392, 196.476**.

Distribution



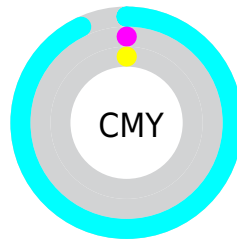
- Red (7%)
- Green (100%)
- Blue (100%)



- Red (7%)
- Yellow (53%)
- Blue (100%)



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



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 91, 49.623, 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 91, 49.623, 196.406 by changing the saturation by 10% instead.

 91, 49.623,
196.406

 91, 49.623,
196.406

 100, 49.623,
196.406


 81, 49.623,
196.406

 71, 49.623,
196.406

 61, 49.623,
196.406

 51, 49.623,
196.406

 41, 49.623,
196.406

 31, 49.623,
196.406

 21, 49.623,

196.406

■ 11, 49.623,
196.406

■ 1, 49.623, 196.406

■ 91, 49.623,
196.406

■ 91, 49.623,
196.406

■ 91, 50.034,
196.381

■ 91, 48.392,
196.476

■ 92, 46.145,
196.606

■ 92, 42.793,
196.801

■ 93, 38.327,
197.064

94, 32.798,
197.394

95, 26.308,
197.789

96, 18.986,
198.246

98, 10.978,
198.769

99, 2.430, 199.520

Harmonies

Complementary

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



91, 49.623, 196.406



54, 100.557, 38.483

Rectangle

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



91, 49.623, 196.406



91, 49.623, 246.406



91, 49.623, 16.406



91, 49.623, 66.406

Sweetspot

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



91, 49.622, 196.405



96, 22.962, 197.999



88, 117.830, 136.157



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.



91, 49.622, 196.405



91, 50.116, 196.381



58, 65.979, 279.980



52, 4.945, 198.960



70, 40.366, 196.381



24, 18.570, 196.382

Inverse Universe

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



54, 100.557, 38.483



53, 104.574, 39.999



68, 82.363, 60.511



49, 5.254, 19.941



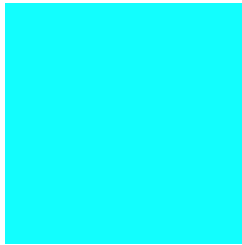
40, 84.228, 39.999



10, 33.367, 27.175

Previews

White Background



This preview shows how the CIE LCh color 91, 49.623, 196.406 looks on a white background.

Color Contrast Check

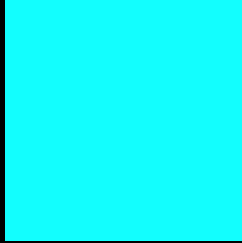
Large Text (above 18pt) WCAG AA × Fail

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 91, 49.623, 196.406 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

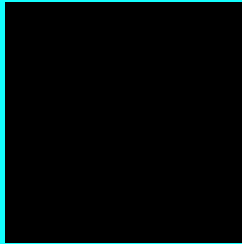
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

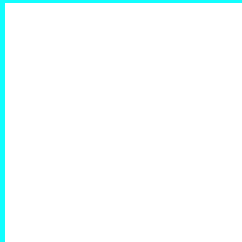
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 49.623, 196.406

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.623, 196.406.

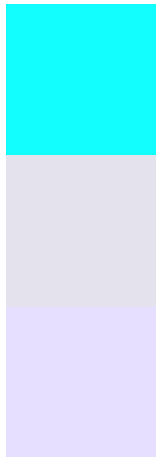


This preview shows how white text looks on a background with the CIELCh color 91, 49.623, 196.406.

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

91, 49.566, 196.409

Protanopia

90, 5.774, 297.623

Deuteranopia

90, 16.914, 300.750



Tritanopia
91, 27.420, 212.162

Trichromacy



Original Color
91, 49.566, 196.409



Protanomaly
89, 26.295, 205.806



Deuteranomaly
88, 26.270, 222.850

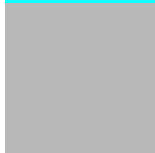


Tritanomaly
90, 38.951, 203.231

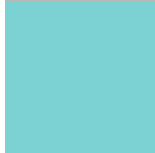
Monochromacy



Original Color
91, 49.566, 196.409



Achromatopsia
75, 0.009, 296.813



Achromatomaly
79, 27.182, 197.481

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.623, 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, 254, 254)` looks like.

```
.text, #text, p{  
    color:rgb(18, 254, 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(18, 254, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 254, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.623, 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, 254, 254) }
```

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

```
.border{ border-color:rgb(18, 254, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 254, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 254, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 254, 254);  
box-shadow:4px 4px 4px 4px rgb(18, 254,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.623, 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, 254, 254) }
```

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

```
.background{ background-color: rgb(18, 254,  
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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