

Converting Colors

CIELCh(91, 49.113, 187.868)

Have a look what the booklet for
CIELCh(91, 49.113, 187.868)
contains.

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Color

CIELCh(91, 49.054, 187.787)

Conversions

Conversions Part 1

Format	Color
Hex	40FEF0
RGB	64, 254, 240
RGB Percent	25%, 100%, 94%
CMY	0.7507, 0.0026, 0.0575
CMYK	0.75, 0.00, 0.06, 0.00
HSL	176°, 99%, 62%
HSV	176°, 75%, 100%
XYZ	53.4112, 78.4833, 95.0278
YIQ	195.5940, -108.7460, -44.6340

Conversions

Conversions Part 2

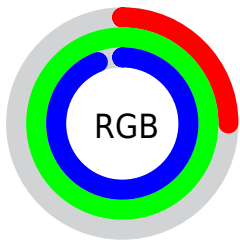
Format	Color
RYB	64, 163, 254
Decimal	4259568
CIELab	91.00, -48.60, -6.65
CIELCh	91, 49.054, 187.787
Yxy	78.4833, 0.2354, 0.3459
Android (android.graphics.Color)	4282449648 (0xFF40FEF0)
YUV	195.5940, 21.8922, -115.4079
Hunter-Lab	88.5908, -47.4166, -1.5844

Details

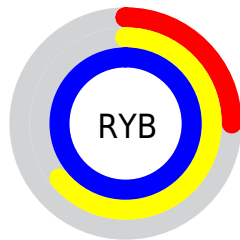
The CIELCh color **91, 49.054, 187.787** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 80.210, 27.644**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **72, 43.343, 187.401** is the 20% darker color. If you saturate the color by 10%, you get **91, 51.517, 186.945**, and if you desaturate by 10%, it is **92, 45.500, 188.577**.

Distribution



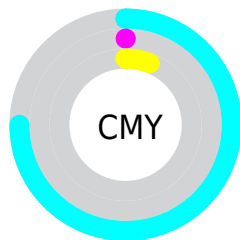
- Red (25%)
- Green (100%)
- Blue (94%)



- Red (25%)
- Yellow (64%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (6%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 49.054, 187.787 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, 49.054, 187.787 by changing the saturation by 10% instead.


 91, 49.054,
187.787


 91, 49.054,
187.787


 100, 49.054,
187.787


 81, 49.054,
187.787

 71, 49.054,
187.787

 61, 49.054,
187.787

 51, 49.054,
187.787

 41, 49.054,
187.787

 31, 49.054,
187.787

 21, 49.054,

187.787

■ 11, 49.054,
187.787

■ 1, 49.054, 187.787

■ 91, 49.054,
187.787

■ 91, 49.054,
187.787

■ 91, 51.517,
186.945

■ 92, 45.500,
188.577

■ 90, 52.983,
186.040

■ 92, 40.845,
189.335

■ 90, 53.460,
185.570

■ 93, 35.147,
190.073

■ 94, 28.514,
190.804

96, 21.084,
191.535

97, 13.008,
192.278

99, 4.434, 193.101

100, 0.419,
323.718

Harmonies

Complementary

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



91, 49.054, 187.787



57, 80.210, 27.644

Rectangle

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



91, 49.054, 187.787



91, 49.054, 237.787



91, 49.054, 7.787



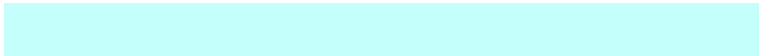
91, 49.054, 57.787

Sweetspot

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



91, 49.054, 187.786



96, 19.551, 191.683



89, 105.802, 136.440



51, 13.382, 191.417



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, 49.054, 187.786



91, 52.468, 186.501



69, 48.558, 263.680



52, 5.001, 192.705



70, 43.087, 185.741



24, 19.643, 186.947

Inverse Universe

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



57, 80.210, 27.644



54, 94.621, 34.051



70, 68.882, 58.175



50, 5.269, 14.010



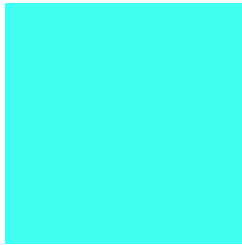
40, 81.182, 37.194



10, 32.789, 24.212

Previews

White Background



This preview shows how the CIE LCh color 91, 49.054, 187.787 looks on a white background.

Color Contrast Check

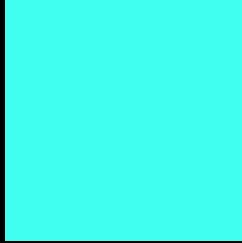
Large Text (above 18pt) WCAG AA × Fail

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, 49.054, 187.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

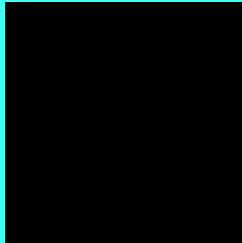
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

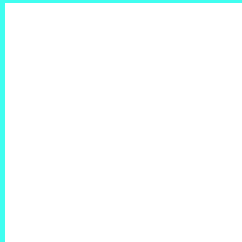
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 49.054, 187.787

Background



This preview shows how black text looks on a background with the CIELCh color 91, 49.054, 187.787.

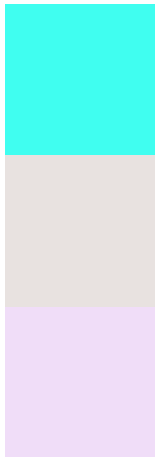


This preview shows how white text looks on a background with the CIELCh color 91, 49.054, 187.787.

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, 48.950, 187.775

Protanopia
90, 2.383, 45.018

Deuteranopia
90, 15.589, 316.298

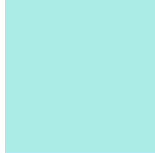


Tritanopia
91, 26.678, 212.612

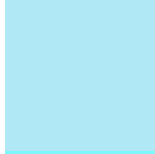
Trichromacy



Original Color
91, 48.950, 187.775



Protanomaly
89, 21.840, 189.692



Deuteranomaly
89, 19.251, 217.372

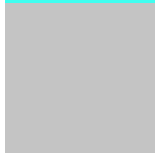


Tritanomaly
90, 35.582, 200.584

Monochromacy



Original Color
91, 48.950, 187.775



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 23.056, 191.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 49.054, 187.787 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(64, 254, 240)` looks like.

```
.text, #text, p{  
    color:rgb(64, 254, 240)  
}
```

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(64, 254, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 254, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 49.054, 187.787 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(64, 254, 240) }
```

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

```
.border{ border-color:rgb(64, 254, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 254, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 254, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 254, 240);  
box-shadow:4px 4px 4px 4px rgb(64, 254,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 49.054, 187.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 254, 240) }
```

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

```
.background{ background-color: rgb(64, 254,  
240) }
```

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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