

Converting Colors

CIELCh(91, 48.232, 188.684)

Have a look what the booklet for
CIELCh(91, 48.232, 188.684)
contains.

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Color

CIELCh(91, 48.131, 188.939)

Conversions

Conversions Part 1

Format	Color
Hex	44FEF2
RGB	68, 254, 242
RGB Percent	27%, 100%, 95%
CMY	0.7336, 0.0041, 0.0512
CMYK	0.73, 0.00, 0.05, 0.00
HSL	176°, 99%, 63%
HSV	176°, 73%, 100%
XYZ	53.8221, 78.4833, 96.2748
YIQ	197.0180, -107.0040, -43.1640

Conversions

Conversions Part 2

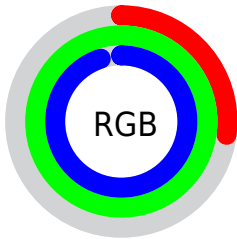
Format	Color
RYB	68, 164, 254
Decimal	4521714
CIELab	91.00, -47.55, -7.48
CIELCh	91, 48.131, 188.939
Yxy	78.4833, 0.2355, 0.3434
Android (android.graphics.Color)	4282711794 (0xFF44FEF2)
YUV	197.0180, 22.1761, -113.1488
Hunter-Lab	88.5908, -46.5888, -2.4190

Details

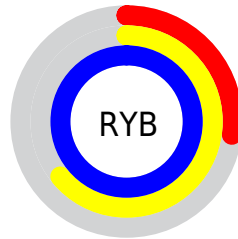
The CIELCh color **91, 48.131, 188.939** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 78.622, 27.579**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 33.553, 197.356**, and **72, 42.911, 188.833** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.713, 188.182**, and if you desaturate by 10%, it is **92, 44.450, 189.658**.

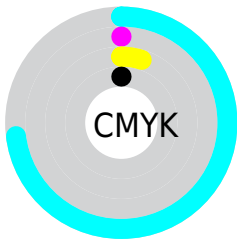
Distribution



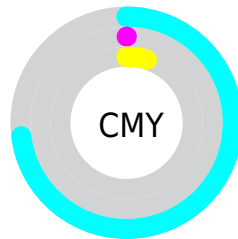
- Red (27%)
- Green (100%)
- Blue (95%)



- Red (27%)
- Yellow (64%)
- Blue (100%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (0%)





- Cyan (73%)
- Magenta (0%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 48.131, 188.939 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, 48.131, 188.939 by changing the saturation by 10% instead.


 91, 48.131,
188.939


 91, 48.131,
188.939


 100, 48.131,
188.939


 81, 48.131,
188.939

 71, 48.131,
188.939

 61, 48.131,
188.939

 51, 48.131,
188.939

 41, 48.131,
188.939

 31, 48.131,
188.939

 21, 48.131,

188.939

■ 11, 48.131,
188.939

■ 1, 48.131, 188.939

■ 91, 48.131,
188.939

■ 91, 48.131,
188.939

■ 91, 50.713,
188.182

■ 92, 44.450,
189.658

■ 90, 52.275,
187.377

■ 92, 39.672,
190.359

■ 90, 52.900,
186.807

■ 93, 33.863,
191.051

■ 94, 27.135,
191.746

■ 96, 19.629,
192.448

■ 97, 11.494,
193.172

■ 99, 2.879, 194.047

100, 0.661,
323.997

Harmonies

Complementary

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



91, 48.131, 188.939



58, 78.622, 27.579

Rectangle

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



91, 48.131, 188.939



91, 48.131, 238.939



91, 48.131, 8.939



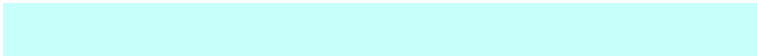
91, 48.131, 58.939

Sweetspot

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



91, 48.131, 188.938



96, 18.705, 192.537



88, 104.381, 136.809



51, 12.465, 192.344



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, 48.131, 188.938



91, 51.738, 187.806



68, 48.744, 265.157



52, 4.991, 193.457



70, 42.693, 186.960



24, 19.490, 188.037

Inverse Universe

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



58, 78.622, 27.579



54, 93.440, 33.714



71, 66.775, 59.845



50, 5.264, 14.728



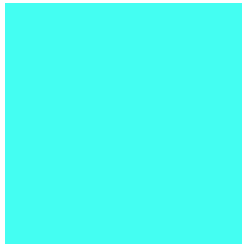
40, 81.555, 37.561



10, 32.855, 24.578

Previews

White Background



This preview shows how the CIE LCh color 91, 48.131, 188.939 looks on a white background.

Color Contrast Check

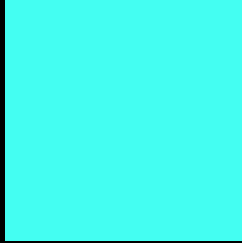
Large Text (above 18pt) WCAG AA × Fail

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, 48.131, 188.939 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

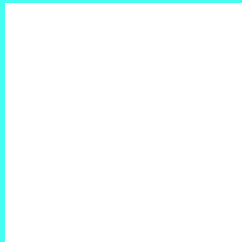
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 48.131, 188.939

Background



This preview shows how black text looks on a background with the CIELCh color 91, 48.131, 188.939.

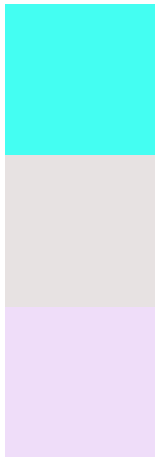


This preview shows how white text looks on a background with the CIELCh color 91, 48.131, 188.939.

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, 48.131, 188.939

Protanopia

90, 1.794, 19.194

Deuteranopia

90, 15.918, 314.358

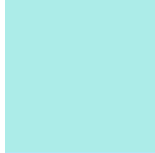


Tritanopia
91, 26.428, 212.769

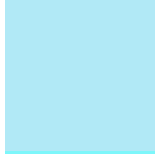
Trichromacy



Original Color
91, 48.131, 188.939



Protanomaly
89, 21.303, 192.363



Deuteranomaly
89, 19.096, 219.232

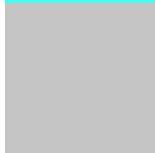


Tritanomaly
90, 35.164, 200.649

Monochromacy



Original Color
91, 48.131, 188.939



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 22.759, 191.094

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 48.131, 188.939 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(68, 254, 242)` looks like.

```
.text, #text, p{  
    color:rgb(68, 254, 242)  
}
```

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(68, 254, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 254, 242) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 48.131, 188.939 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(68, 254, 242) }
```

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

```
.border{ border-color:rgb(68, 254, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 254, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 254, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 254, 242);  
box-shadow:4px 4px 4px 4px rgb(68, 254,  
242) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 48.131, 188.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 254, 242) }
```

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

```
.background{ background-color: rgb(68, 254,  
242) }
```

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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