

Converting Colors

CIELCh(91, 48.726, 193.223)

Have a look what the booklet for
CIELCh(91, 48.726, 193.223)
contains.

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Color

CIELCh(91, 48.689, 193.348)

Conversions

Conversions Part 1

Format	Color
Hex	31FEF9
RGB	49, 254, 249
RGB Percent	19%, 100%, 98%
CMY	0.8066, 0.0033, 0.0230
CMYK	0.81, 0.00, 0.02, 0.00
HSL	179°, 99%, 60%
HSV	179°, 81%, 100%
XYZ	53.8895, 78.4833, 102.0465
YIQ	192.1350, -120.5750, -45.0150

Conversions

Conversions Part 2

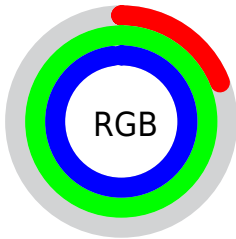
Format	Color
R_{YB}	49, 153, 254
Decimal	3276537
CIE _{Lab}	91.00, -47.37, -11.24
CIE _{LCh}	91, 48.689, 193.348
Yxy	78.4833, 0.2299, 0.3348
Android (android.graphics.Color)	4281466617 (0xFF31FEF9)
YUV	192.1350, 28.0344, -125.5294
Hunter-Lab	88.5908, -46.4529, -6.2817

Details

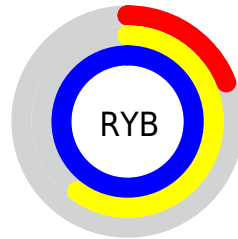
The CIELCh color **91, 48.689, 193.348** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 88.328, 33.061**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.800, 197.221**, and **72, 41.585, 194.055** is the 20% darker color. If you saturate the color by 10%, you get **91, 50.250, 192.977**, and if you desaturate by 10%, it is **91, 46.079, 193.734**.

Distribution



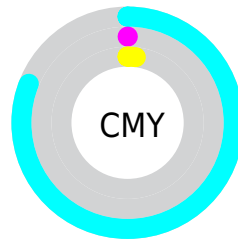
- Red (19%)
- Green (100%)
- Blue (98%)



- Red (19%)
- Yellow (60%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)




- Cyan (81%)
- Magenta (0%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 48.689, 193.348 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, 48.689, 193.348 by changing the saturation by 10% instead.

 91, 48.689,
193.348


 91, 48.689,
193.348

 100, 48.689,
193.348


 81, 48.689,
193.348

 71, 48.689,
193.348

 61, 48.689,
193.348

 51, 48.689,
193.348

 41, 48.689,
193.348

 31, 48.689,
193.348

 21, 48.689,

193.348

■ 11, 48.689,
193.348

■ 1, 48.689, 193.348

■ 91, 48.689,
193.348

■ 91, 48.689,
193.348

■ 91, 50.250,
192.977

■ 91, 46.079,
193.734

■ 91, 50.958,
192.634

■ 92, 42.357,
194.148

■ 93, 37.534,
194.595

■ 94, 31.680,
195.081

95, 24.910,
195.606

96, 17.363,
196.173

98, 9.186, 196.793

100, 0.523,
198.591

100, 0.432,
333.991

Harmonies

Complementary

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



91, 48.689, 193.348



56, 88.328, 33.061

Rectangle

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



91, 48.689, 193.348



91, 48.689, 243.348



91, 48.689, 13.348



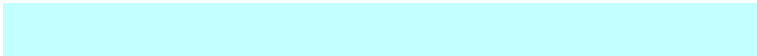
91, 48.689, 63.348

Sweetspot

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



91, 48.688, 193.347



96, 20.067, 195.975



88, 111.219, 136.669



51, 13.615, 195.773



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, 48.688, 193.347



91, 50.901, 192.742



64, 56.010, 272.467



52, 4.957, 196.867



70, 41.134, 192.697



24, 18.878, 193.133

Inverse Universe

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



56, 88.328, 33.061



53, 102.162, 38.745



71, 73.406, 61.703



49, 5.253, 17.966



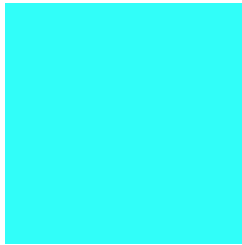
40, 83.143, 39.048



10, 33.166, 26.202

Previews

White Background



This preview shows how the CIE LCh color 91, 48.689, 193.348 looks on a white background.

Color Contrast Check

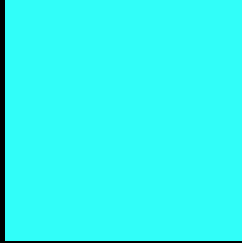
Large Text (above 18pt) WCAG AA × Fail

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, 48.689, 193.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

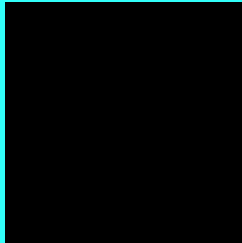
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

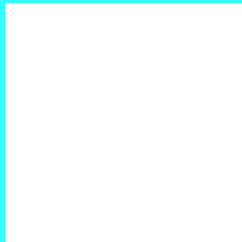
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 48.689, 193.348

Background



This preview shows how black text looks on a background with the CIELCh color 91, 48.689, 193.348.

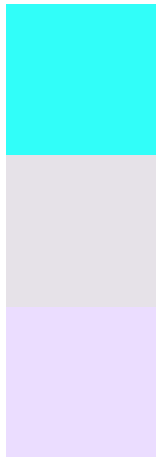


This preview shows how white text looks on a background with the CIELCh color 91, 48.689, 193.348.

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, 48.689, 193.348

Protanopia

90, 3.448, 314.720

Deuteranopia

90, 18.403, 306.608

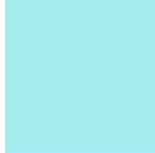


Tritanopia
91, 26.926, 212.459

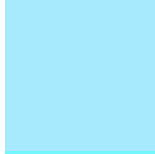
Trichromacy



Original Color
91, 48.689, 193.348



Protanomaly
89, 23.167, 200.513



Deuteranomaly
89, 22.767, 225.684

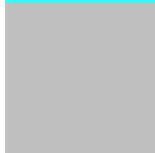


Tritanomaly
90, 36.597, 202.928

Monochromacy



Original Color
91, 48.689, 193.348



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 24.426, 195.182

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 48.689, 193.348 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(49, 254, 249)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 249)  
}
```

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(49, 254, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 48.689, 193.348 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(49, 254, 249) }
```

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

```
.border{ border-color:rgb(49, 254, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 254, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 249);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 48.689, 193.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 254, 249) }
```

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

```
.background{ background-color: rgb(49, 254,  
249) }
```

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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