

Converting Colors

CIELCh(92, 47.053, 223.913)

Have a look what the booklet for
CIELCh(92, 47.053, 223.913)
contains.

CIELCh(91, 47.608, 197.789)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(91, 47.608, 197.789)

Conversions

Conversions Part 1

Format	Color
Hex	31FEFF
RGB	49, 254, 255
RGB Percent	19%, 100%, 100%
CMY	0.8073, 0.0058, 0.0000
CMYK	0.81, 0.01, 0.00, 0.00
HSL	180°, 100%, 60%
HSV	180°, 81%, 100%
XYZ	54.6912, 78.4833, 107.3025
YIQ	192.8190, -122.5010, -43.1490

Conversions

Conversions Part 2

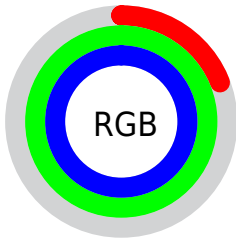
Format	Color
R_{YB}	49, 152, 255
Decimal	3276543
CIE _{Lab}	91.00, -45.33, -14.54
CIE _{LCh}	91, 47.608, 197.789
Yxy	78.4833, 0.2274, 0.3264
Android (android.graphics.Color)	4281466623 (0xFF31FEFF)
YUV	192.8190, 30.6552, -126.1293
Hunter-Lab	88.5908, -44.8377, -9.7994

Details

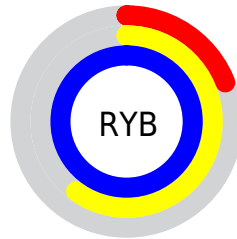
The CIELCh color **91, 47.608, 197.789** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 89.801, 34.734**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.582, 197.234**, and **72, 41.122, 197.171** is the 20% darker color. If you saturate the color by 10%, you get **91, 49.050, 197.466**, and if you desaturate by 10%, it is **91, 45.247, 197.526**.

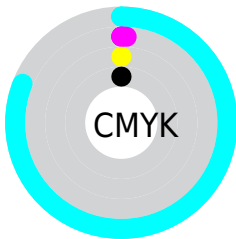
Distribution



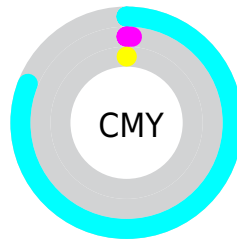
- Red (19%)
- Green (100%)
- Blue (100%)



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



- Cyan (81%)
- Magenta (1%)
- Yellow (0%)
- Black (0%)





- Cyan (81%)
- Magenta (1%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 47.608, 197.789 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, 47.608, 197.789 by changing the saturation by 10% instead.


 91, 47.608,
197.789


 91, 47.608,
197.789


 100, 47.608,
197.789


 81, 47.608,
197.789

 71, 47.608,
197.789

 61, 47.608,
197.789

 51, 47.608,
197.789

 41, 47.608,
197.789

 31, 47.608,
197.789

 21, 47.608,

197.789

■ 11, 47.608,
197.789

■ 1, 47.608, 197.789

■ 91, 47.608,
197.789

■ 91, 47.608,
197.789

■ 91, 49.050,
197.466

■ 91, 45.247,
197.526

■ 91, 49.590,
197.527

■ 92, 41.709,
197.672

■ 93, 37.062,
197.897

■ 94, 31.370,
198.198

■ 95, 24.744,
198.569

■ 96, 17.318,
199.007

■ 98, 9.237, 199.520

■ 100, 0.645,
200.999

■ 100, 0.012,
296.813

Harmonies

Complementary

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



91, 47.608, 197.789



56, 89.801, 34.734

Rectangle

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



91, 47.608, 197.789



91, 47.608, 247.789



91, 47.608, 17.789



91, 47.608, 67.789

Sweetspot

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



91, 47.671, 197.458



96, 19.823, 198.857



88, 112.105, 136.974



51, 13.441, 198.701



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, 47.671, 197.458



91, 49.452, 197.504



62, 59.608, 276.277



52, 4.909, 199.591



70, 39.949, 197.507



24, 18.401, 197.371

Inverse Universe

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



62, 108.595, 328.290



60, 114.426, 328.503



72, 73.318, 64.594



50, 9.013, 325.139



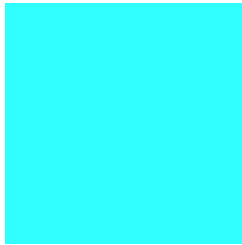
45, 92.559, 328.521



12, 42.610, 328.486

Previews

White Background



This preview shows how the CIE LCh color 91, 47.608, 197.789 looks on a white background.

Color Contrast Check

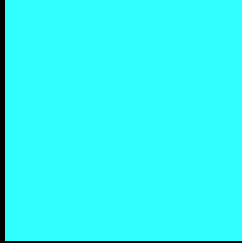
Large Text (above 18pt) WCAG AA × Fail

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, 47.608, 197.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

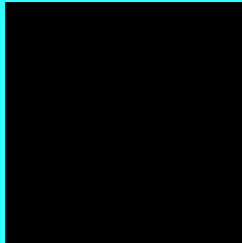
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

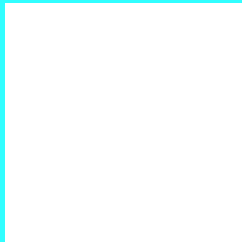
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 91, 47.608, 197.789

Background



This preview shows how black text looks on a background with the CIELCh color 91, 47.608, 197.789.

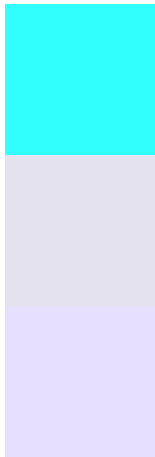


This preview shows how white text looks on a background with the CIELCh color 91, 47.608, 197.789.

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, 47.821, 197.144

Protanopia

90, 6.289, 297.078

Deuteranopia

90, 16.914, 300.750



Tritanopia
91, 27.173, 212.309

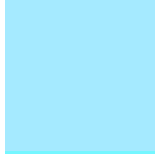
Trichromacy



Original Color
91, 47.821, 197.144



Protanomaly
89, 23.381, 208.307



Deuteranomaly
89, 23.665, 225.939

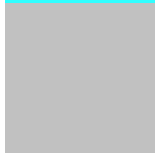


Tritanomaly
90, 36.501, 204.627

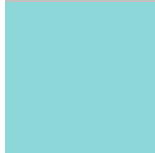
Monochromacy



Original Color
91, 47.821, 197.144



Achromatopsia
78, 0.009, 296.813



Achromatomaly
81, 23.907, 199.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 47.608, 197.789 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, 255)` looks like.

```
.text, #text, p{  
    color:rgb(49, 254, 255)  
}
```

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, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 254, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 47.608, 197.789 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, 255) }
```

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

```
.border{ border-color:rgb(49, 254, 255) }
```

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, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 254, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 254, 255);  
box-shadow:4px 4px 4px 4px rgb(49, 254,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 47.608, 197.789 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, 255) }
```

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

```
.background{ background-color: rgb(49, 254,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor