

Converting Colors

CIELCh(91, 47.636, 194.451)

Have a look what the booklet for
CIELCh(91, 47.636, 194.451)
contains.

CIELCh(91, 47.774, 193.976)	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, 47.774, 193.976)

Conversions

Conversions Part 1

Format	Color
Hex	3AFEFA
RGB	58, 254, 250
RGB Percent	23%, 100%, 98%
CMY	0.7744, 0.0050, 0.0206
CMYK	0.77, 0.00, 0.02, 0.00
HSL	179°, 99%, 61%
HSV	179°, 77%, 100%
XYZ	54.2866, 78.4833, 102.5126
YIQ	194.9400, -115.5320, -42.7960

Conversions

Conversions Part 2

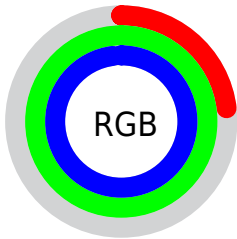
Format	Color
RYB	58, 157, 254
Decimal	3866362
CIELab	91.00, -46.36, -11.54
CIELCh	91, 47.774, 193.976
Yxy	78.4833, 0.2307, 0.3336
Android (android.graphics.Color)	4282056442 (0xFF3AFEFA)
YUV	194.9400, 27.1446, -120.0964
Hunter-Lab	88.5908, -45.6528, -6.5937

Details

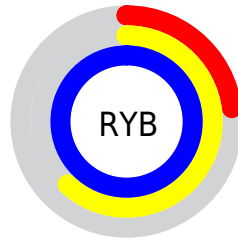
The CIELCh color **91, 47.774, 193.976** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **56, 84.958, 32.051**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.696, 197.287**, and **72, 41.741, 194.066** is the 20% darker color. If you saturate the color by 10%, you get **91, 49.640, 193.644**, and if you desaturate by 10%, it is **91, 44.831, 194.333**.

Distribution



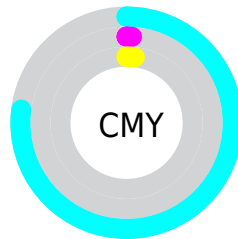
- Red (23%)
- Green (100%)
- Blue (98%)



- Red (23%)
- Yellow (62%)
- Blue (100%)



- Cyan (77%)
- Magenta (0%)
- Yellow (2%)
- Black (0%)





- Cyan (77%)
- Magenta (1%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 47.774, 193.976 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, 47.774, 193.976 by changing the saturation by 10% instead.


 91, 47.774,
193.976


 91, 47.774,
193.976


 100, 47.774,
193.976


 81, 47.774,
193.976

 71, 47.774,
193.976

 61, 47.774,
193.976

 51, 47.774,
193.976

 41, 47.774,
193.976

 31, 47.774,
193.976

 21, 47.774,

193.976

■ 11, 47.774,
193.976

■ 1, 47.774, 193.976

■ 91, 47.774,
193.976

■ 91, 47.774,
193.976

■ 91, 49.640,
193.644

■ 91, 44.831,
194.333

■ 91, 50.561,
193.330

■ 92, 40.773,
194.726

■ 91, 50.722,
193.248

■ 93, 35.631,
195.160

■ 94, 29.491,
195.637

■ 95, 22.476,
196.158

■ 97, 14.728,
196.725

■ 98, 6.396, 197.367

100, 0.452, 9.037

100, 0.565,
341.903

Harmonies

Complementary

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



91, 47.774, 193.976



56, 84.958, 32.051

Rectangle

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



91, 47.774, 193.976



91, 47.774, 243.976



91, 47.774, 13.976



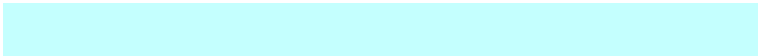
91, 47.774, 63.976

Sweetspot

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



91, 47.774, 193.975



96, 19.279, 196.397



88, 108.560, 136.917



51, 13.178, 196.197



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, 47.774, 193.975



91, 50.455, 193.464



65, 53.871, 271.034



52, 4.955, 197.214



70, 40.996, 193.300



24, 18.823, 193.666

Inverse Universe

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



56, 84.958, 32.051



54, 99.927, 37.802



71, 70.313, 62.231



49, 5.252, 18.295



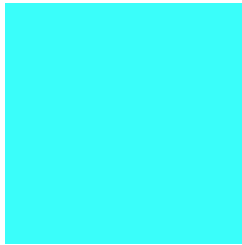
40, 83.315, 39.202



10, 33.198, 26.364

Previews

White Background



This preview shows how the CIE LCh color 91, 47.774, 193.976 looks on a white background.

Color Contrast Check

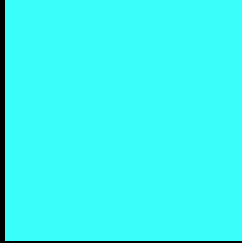
Large Text (above 18pt) WCAG AA × Fail

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, 47.774, 193.976 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, 47.774, 193.976

Background



This preview shows how black text looks on a background with the CIELCh color 91, 47.774, 193.976.

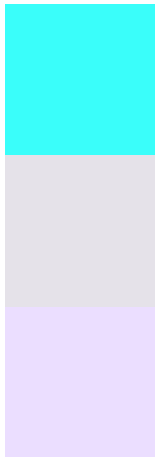


This preview shows how white text looks on a background with the CIELCh color 91, 47.774, 193.976.

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, 47.774, 193.976

Protanopia
90, 3.809, 306.649

Deuteranopia
90, 17.799, 305.957



Tritanopia
91, 26.926, 212.459

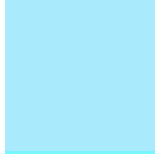
Trichromacy



Original Color
91, 47.774, 193.976



Protanomaly
89, 22.280, 202.032



Deuteranomaly
89, 22.092, 225.054

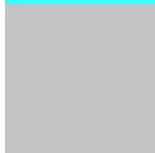


Tritanomaly
90, 36.006, 203.057

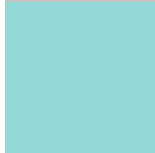
Monochromacy



Original Color
91, 47.774, 193.976



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 23.211, 196.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 47.774, 193.976 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(58, 254, 250)` looks like.

```
.text, #text, p{  
    color:rgb(58, 254, 250)  
}
```

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(58, 254, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 254, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 47.774, 193.976 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(58, 254, 250) }
```

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

```
.border{ border-color:rgb(58, 254, 250) }
```

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

Here you see how a box with a 4 pixel rgb(58, 254, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 254, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 254, 250);  
box-shadow:4px 4px 4px 4px rgb(58, 254,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 47.774, 193.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 254, 250) }
```

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

```
.background{ background-color: rgb(58, 254,  
250) }
```

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