

Converting Colors

CIELCh(91, 45.739, 194.671)

Have a look what the booklet for
CIELCh(91, 45.739, 194.671)
contains.

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Color

CIELCh(91, 45.764, 194.635)

Conversions

Conversions Part 1

Format	Color
Hex	4AFDFA
RGB	74, 253, 250
RGB Percent	29%, 99%, 98%
CMY	0.7107, 0.0085, 0.0202
CMYK	0.71, 0.00, 0.01, 0.01
HSL	179°, 98%, 64%
HSV	179°, 71%, 99%
XYZ	55.1075, 78.4833, 102.5512
YIQ	199.1370, -105.7210, -38.8810

Conversions

Conversions Part 2

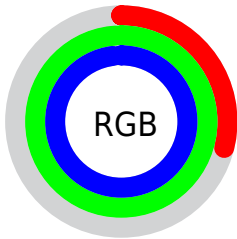
Format	Color
RYB	74, 164, 253
Decimal	4914682
CIELab	91.00, -44.28, -11.56
CIELCh	91, 45.764, 194.635
Yxy	78.4833, 0.2334, 0.3324
Android (android.graphics.Color)	4283104762 (0xFF4AFDFA)
YUV	199.1370, 25.0755, -109.7451
Hunter-Lab	88.5908, -43.9988, -6.6195

Details

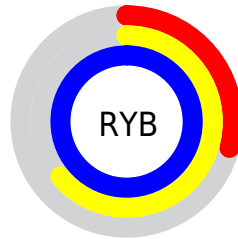
The CIELCh color **91, 45.764, 194.635** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **58, 77.597, 29.907**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **72, 41.420, 194.826** is the 20% darker color. If you saturate the color by 10%, you get **91, 48.296, 194.322**, and if you desaturate by 10%, it is **92, 42.124, 194.984**.

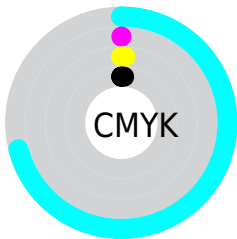
Distribution



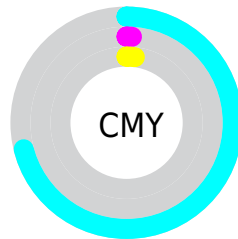
- Red (29%)
- Green (99%)
- Blue (98%)



- Red (29%)
- Yellow (64%)
- Blue (99%)



- Cyan (71%)
- Magenta (0%)
- Yellow (1%)
- Black (1%)





- Cyan (71%)
- Magenta (1%)
- Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 91, 45.764, 194.635 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, 45.764, 194.635 by changing the saturation by 10% instead.


 91, 45.764,
194.635


 91, 45.764,
194.635


 100, 45.764,
194.635


 81, 45.764,
194.635

 71, 45.764,
194.635

 61, 45.764,
194.635

 51, 45.764,
194.635

 41, 45.764,
194.635

 31, 45.764,
194.635

 21, 45.764,

194.635

■ 11, 45.764,
194.635

■ 1, 45.764, 194.635

■ 91, 45.764,
194.635

■ 91, 45.764,
194.635

■ 91, 48.296,
194.322

■ 92, 42.124,
194.984

■ 90, 49.788,
194.040

■ 92, 37.385,
195.379

■ 90, 50.435,
193.798

■ 93, 31.614,
195.820

■ 94, 24.923,
196.308

96, 17.447,
196.844

97, 9.333, 197.438

99, 0.725, 198.865

99, 0.789, 4.101

99, 0.873, 350.398

Harmonies

Complementary

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



91, 45.764, 194.635



58, 77.597, 29.907

Rectangle

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



91, 45.764, 194.635



91, 45.764, 244.635



91, 45.764, 14.635



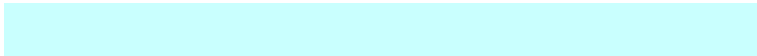
91, 45.764, 64.635

Sweetspot

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



91, 45.764, 194.634



96, 17.706, 196.834



88, 102.316, 137.492



51, 11.875, 196.681



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, 45.764, 194.634



91, 49.363, 194.200



67, 49.603, 268.327



52, 4.953, 197.524



70, 40.877, 193.841



24, 18.775, 194.144

Inverse Universe

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



58, 77.597, 29.907



55, 93.411, 35.200



73, 63.839, 63.171



49, 5.252, 18.588



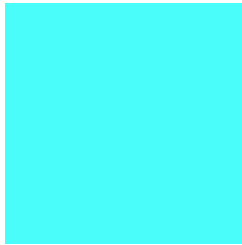
40, 83.472, 39.341



10, 33.228, 26.509

Previews

White Background



This preview shows how the CIE LCh color 91, 45.764, 194.635 looks on a white background.

Color Contrast Check

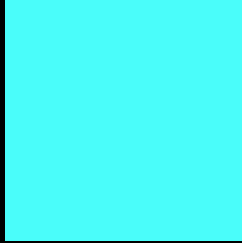
Large Text (above 18pt) WCAG AA × Fail

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, 45.764, 194.635 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

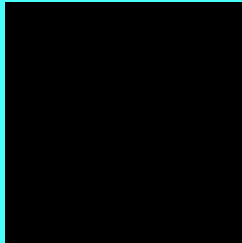
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 91, 45.764, 194.635

Background



This preview shows how black text looks on a background with the CIELCh color 91, 45.764, 194.635.

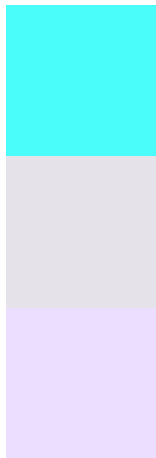


This preview shows how white text looks on a background with the CIELCh color 91, 45.764, 194.635.

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, 45.764, 194.635

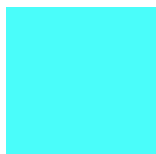
Protanopia
90, 4.310, 304.742

Deuteranopia
90, 17.799, 305.957

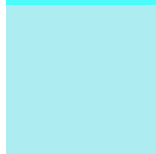


Tritanopia
91, 26.428, 212.769

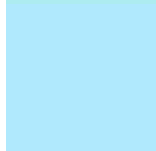
Trichromacy



Original Color
91, 45.764, 194.635



Protanomaly
89, 20.534, 203.964

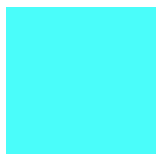


Deuteranomaly
89, 20.550, 229.052

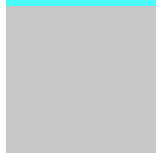


Tritanomaly
91, 34.568, 203.385

Monochromacy



Original Color
91, 45.764, 194.635



Achromatopsia
80, 0.010, 296.813



Achromatomaly
83, 21.842, 195.103

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 91, 45.764, 194.635 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(74, 253, 250)` looks like.

```
.text, #text, p{  
    color:rgb(74, 253, 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(74, 253, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 253, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 91, 45.764, 194.635 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(74, 253, 250) }
```

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

```
.border{ border-color:rgb(74, 253, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 253, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 253, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 253, 250);  
box-shadow:4px 4px 4px 4px rgb(74, 253,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 91, 45.764, 194.635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 253, 250) }
```

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

```
.background{ background-color: rgb(74, 253,  
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](#).

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