

Converting Colors

CIELCh(90, 45.793, 196.423)

Have a look what the booklet for
CIELCh(90, 45.793, 196.423)
contains.

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Color

CIELCh(90, 45.742, 196.598)

Conversions

Conversions Part 1

Format	Color
Hex	42FAFA
RGB	66, 250, 250
RGB Percent	26%, 98%, 98%
CMY	0.7422, 0.0203, 0.0203
CMYK	0.74, 0.00, 0.00, 0.02
HSL	180°, 95%, 62%
HSV	180°, 74%, 98%
XYZ	53.5882, 76.3034, 102.2056
YIQ	194.9840, -109.6640, -39.0080

Conversions

Conversions Part 2

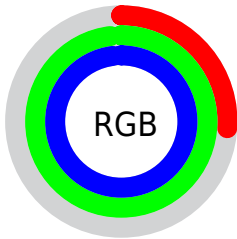
Format	Color
R _{YB}	66, 158, 250
Decimal	4389626
CIE Lab	90.00, -43.84, -13.07
CIE LCh	90, 45.742, 196.598
Yxy	76.3034, 0.2309, 0.3288
Android (android.graphics.Color)	4282579706 (0xFF42FAFA)
YUV	194.9840, 27.1229, -113.1190
Hunter-Lab	87.3518, -43.3602, -8.2258

Details

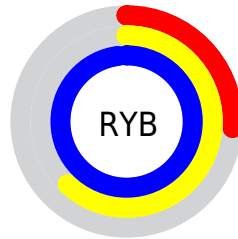
The CIELCh color **90, 45.742, 196.598** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **57, 80.843, 31.964**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 34.015, 197.328**, and **71, 40.495, 197.186** is the 20% darker color. If you saturate the color by 10%, you get **90, 47.865, 196.473**, and if you desaturate by 10%, it is **90, 42.535, 196.786**.

Distribution



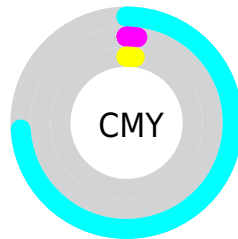
- Red (26%)
- Green (98%)
- Blue (98%)



- Red (26%)
- Yellow (62%)
- Blue (98%)



- Cyan (74%)
- Magenta (0%)
- Yellow (0%)
- Black (2%)





- Cyan (74%)
- Magenta (2%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 45.742, 196.598 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 90, 45.742, 196.598 by changing the saturation by 10% instead.

 90, 45.742,
196.598


 90, 45.742,
196.598


 100, 45.742,
196.598


 80, 45.742,
196.598

 70, 45.742,
196.598

 60, 45.742,
196.598

 50, 45.742,
196.598

 40, 45.742,
196.598

 30, 45.742,
196.598

 20, 45.742,

196.598

■ 10, 45.742,
196.598

■ 0, 45.742, 196.598

■ 90, 45.742,
196.598

■ 90, 45.742,
196.598

■ 90, 47.865,
196.473

■ 90, 42.535,
196.786

■ 90, 48.998,
196.407

■ 91, 38.230,
197.042

■ 89, 49.343,
196.387

■ 92, 32.872,
197.366

■ 93, 26.557,
197.755

94, 19.412,
198.206

96, 11.579,
198.721

98, 3.200, 199.403

99, 1.819, 19.166

99, 1.819, 19.167

Harmonies

Complementary

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



90, 45.742, 196.598



57, 80.843, 31.964

Rectangle

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



90, 45.742, 196.598



90, 45.742, 246.598



90, 45.742, 16.598



90, 45.742, 66.598

Sweetspot

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



90, 45.741, 196.597



96, 18.436, 198.287



87, 104.680, 137.640



51, 12.271, 198.155



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 45.741, 196.597



91, 49.236, 196.437



64, 53.732, 273.273



51, 4.864, 198.964



69, 39.963, 196.387



23, 18.081, 196.387

Inverse Universe

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



63, 102.476, 327.888



61, 112.725, 328.148



73, 65.849, 65.804



49, 8.908, 324.946



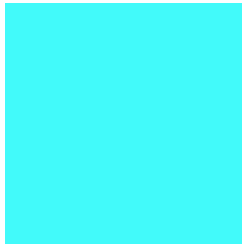
45, 92.156, 328.233



12, 41.695, 328.233

Previews

White Background



This preview shows how the CIE LCh color 90, 45.742, 196.598 looks on a white background.

Color Contrast Check

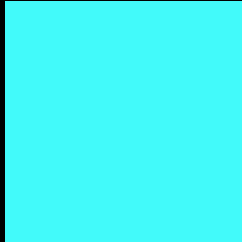
Large Text (above 18pt) WCAG AA × Fail

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 90, 45.742, 196.598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

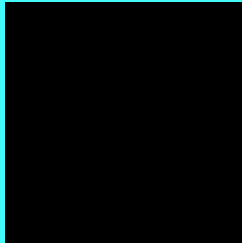
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

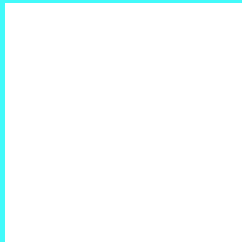
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 90, 45.742, 196.598

Background



This preview shows how black text looks on a background with the CIELCh color 90, 45.742, 196.598.

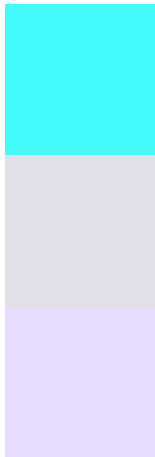


This preview shows how white text looks on a background with the CIELCh color 90, 45.742, 196.598.

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
90, 45.742, 196.598

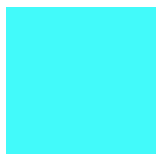
Protanopia
89, 5.335, 302.039

Deuteranopia
89, 19.280, 303.871

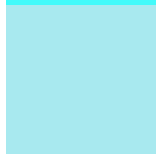


Tritanopia
90, 29.653, 213.068

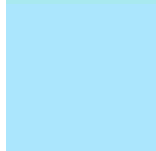
Trichromacy



Original Color
90, 45.742, 196.598



Protanomaly
88, 21.136, 206.652

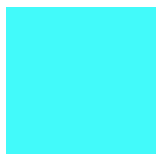


Deuteranomaly
88, 21.719, 232.191

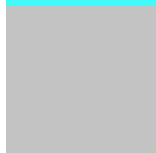


Tritanomaly
90, 36.464, 204.636

Monochromacy



Original Color
90, 45.742, 196.598



Achromatopsia
79, 0.010, 296.813



Achromatomaly
82, 22.002, 197.874

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 45.742, 196.598 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(66, 250, 250)` looks like.

```
.text, #text, p{  
    color:rgb(66, 250, 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(66, 250, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 250, 250) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 45.742, 196.598 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(66, 250, 250) }
```

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

```
.border{ border-color:rgb(66, 250, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 250, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 250, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 250, 250);  
box-shadow:4px 4px 4px 4px rgb(66, 250,  
250) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 45.742, 196.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 250, 250) }
```

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

```
.background{ background-color: rgb(66, 250,  
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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