

Converting Colors

CIELCh(90, 42.336, 196.791)

Have a look what the booklet for
CIELCh(90, 42.336, 196.791)
contains.

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Color

CIELCh(90, 42.298, 196.785)

Conversions

Conversions Part 1

Format	Color
Hex	5AF8F8
RGB	90, 248, 248
RGB Percent	35%, 97%, 97%
CMY	0.6456, 0.0263, 0.0263
CMYK	0.64, 0.00, 0.00, 0.03
HSL	180°, 92%, 66%
HSV	180°, 64%, 97%
XYZ	54.8988, 76.3034, 100.8781
YIQ	200.7580, -94.1680, -33.4960

Conversions

Conversions Part 2

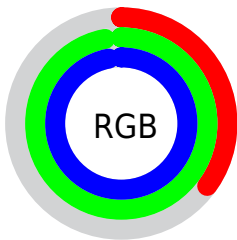
Format	Color
R _{YB}	90, 169, 248
Decimal	5961976
CIE Lab	90.00, -40.50, -12.21
CIE LCh	90, 42.298, 196.785
Yxy	76.3034, 0.2366, 0.3288
Android (android.graphics.Color)	4284152056 (0xFF5AF8F8)
YUV	200.7580, 23.2903, -97.1348
Hunter-Lab	87.3518, -40.6821, -7.3247

Details

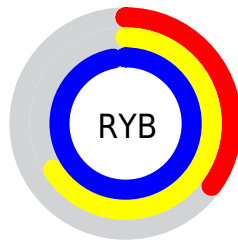
The CIELCh color **90, 42.298, 196.785** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **60, 68.662, 28.673**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **94, 30.155, 197.561**, and **70, 40.180, 197.194** is the 20% darker color. If you saturate the color by 10%, you get **90, 45.500, 196.594**, and if you desaturate by 10%, it is **91, 38.002, 197.041**.

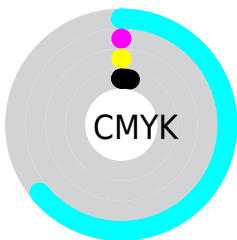
Distribution



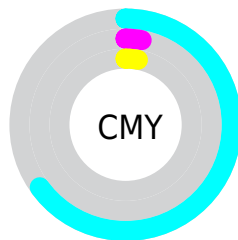
- Red (35%)
- Green (97%)
- Blue (97%)



- Red (35%)
- Yellow (66%)
- Blue (97%)



- Cyan (64%)
- Magenta (0%)
- Yellow (0%)
- Black (3%)





- Cyan (65%)
- Magenta (3%)
- Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 42.298, 196.785 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, 42.298, 196.785 by changing the saturation by 10% instead.


 90, 42.298,
196.785


 90, 42.298,
196.785


 100, 42.298,
196.785


 80, 42.298,
196.785

 70, 42.298,
196.785

 60, 42.298,
196.785

 50, 42.298,
196.785

 40, 42.298,
196.785

 30, 42.298,
196.785

 20, 42.298,

196.785

■ 10, 42.298,
196.785

■ 0, 42.298, 196.785

■ 90, 42.298,
196.785

■ 90, 42.298,
196.785

■ 90, 45.500,
196.594

■ 91, 38.002,
197.041

■ 89, 47.625,
196.469

■ 92, 32.660,
197.366

■ 89, 48.764,
196.402

■ 93, 26.368,
197.755

■ 89, 49.115,
196.381

■ 94, 19.251,
198.207

95, 11.450,
198.722

97, 3.109, 199.410

98, 2.364, 19.278

98, 2.364, 19.267

98, 2.364, 19.257

Harmonies

Complementary

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



90, 42.298, 196.785



60, 68.662, 28.673

Rectangle

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



90, 42.298, 196.785



90, 42.298, 246.785



90, 42.298, 16.785



90, 42.298, 66.785

Sweetspot

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



90, 42.298, 196.784



97, 16.080, 198.434



87, 93.439, 138.488



51, 10.963, 198.290



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, 42.298, 196.784



92, 47.072, 196.556



68, 45.398, 267.533



51, 4.864, 198.961



69, 39.964, 196.381



23, 18.082, 196.382

Inverse Universe

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



60, 68.662, 28.673



57, 84.839, 32.813



75, 55.858, 65.701



49, 5.167, 19.939



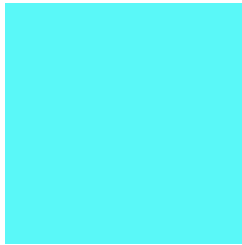
39, 83.390, 39.999



9, 32.195, 26.138

Previews

White Background



This preview shows how the CIE LCh color 90, 42.298, 196.785 looks on a white background.

Color Contrast Check

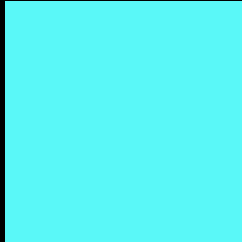
Large Text (above 18pt) WCAG AA × Fail

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, 42.298, 196.785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

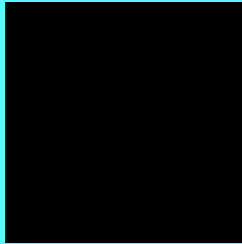
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 42.298, 196.785

Background



This preview shows how black text looks on a background with the CIELCh color 90, 42.298, 196.785.

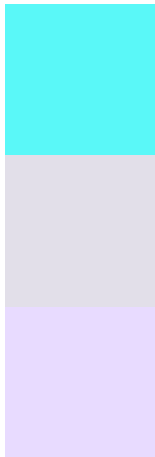


This preview shows how white text looks on a background with the CIELCh color 90, 42.298, 196.785.

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, 42.298, 196.785

Protanopia
89, 5.335, 302.039

Deuteranopia
89, 19.356, 304.861



Tritanopia
90, 28.724, 213.630

Trichromacy



Original Color
90, 42.298, 196.785



Protanomaly
89, 18.282, 209.867

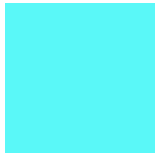


Deuteranomaly
89, 19.387, 237.039

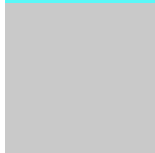


Tritanomaly
90, 34.013, 206.223

Monochromacy



Original Color
90, 42.298, 196.785



Achromatopsia
81, 0.010, 296.813



Achromatomaly
83, 19.029, 198.098

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 42.298, 196.785 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(90, 248, 248)` looks like.

```
.text, #text, p{  
    color:rgb(90, 248, 248)  
}
```

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(90, 248, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 248, 248) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 42.298, 196.785 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(90, 248, 248) }
```

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

```
.border{ border-color:rgb(90, 248, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 248, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 248, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 248, 248);  
box-shadow:4px 4px 4px 4px rgb(90, 248,  
248) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 42.298, 196.785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 248, 248) }
```

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

```
.background{ background-color: rgb(90, 248,  
248) }
```

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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