

Converting Colors

CIELCh(92, 46.712, 246.581)

Have a look what the booklet for
CIELCh(92, 46.712, 246.581)
contains.

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Color

CIELCh(90, 38.522, 204.119)

Conversions

Conversions Part 1

Format	Color
Hex	6AF6FF
RGB	106, 246, 255
RGB Percent	42%, 96%, 100%
CMY	0.5836, 0.0347, 0.0000
CMYK	0.58, 0.03, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 58%, 100%
XYZ	57.0368, 76.3034, 106.4514
YIQ	205.1660, -86.3290, -26.8810

Conversions

Conversions Part 2

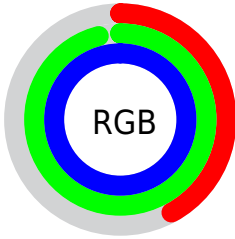
Format	Color
RYB	106, 178, 255
Decimal	7010047
CIELab	90.00, -35.16, -15.74
CIELCh	90, 38.522, 204.119
Yxy	76.3034, 0.2379, 0.3182
Android (android.graphics.Color)	4285200127 (0xFF6AF6FF)
YUV	205.1660, 24.5682, -86.9686
Hunter-Lab	87.3518, -36.3131, -11.1076

Details

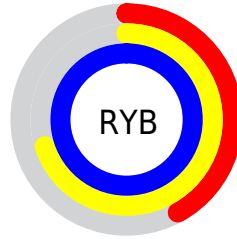
The CIELCh color **90, 38.522, 204.119** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 61.197, 30.621**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **70, 38.491, 204.037** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.056, 204.323**, and if you desaturate by 10%, it is **91, 33.928, 203.840**.

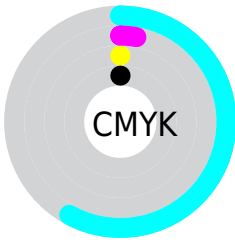
Distribution



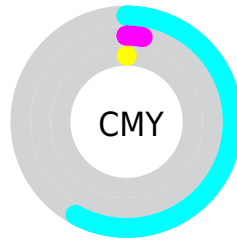
- Red (42%)
- Green (96%)
- Blue (100%)



- Red (42%)
- Yellow (70%)
- Blue (100%)



- Cyan (58%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 38.522, 204.119 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, 38.522, 204.119 by changing the saturation by 10% instead.


 90, 38.522,
204.119


 90, 38.522,
204.119


 100, 38.522,
204.119


 80, 38.522,
204.119

 70, 38.522,
204.119

 60, 38.522,
204.119

 50, 38.522,
204.119

 40, 38.522,
204.119

 30, 38.522,
204.119

 20, 38.522,

204.119

■ 10, 38.522,
204.119

■ 0, 38.522, 204.119

■ 90, 38.522,
204.119

■ 90, 38.522,
204.119

■ 89, 42.056,
204.323

■ 91, 33.928,
203.840

■ 88, 44.478,
204.831

■ 93, 28.336,
203.824

■ 87, 45.837,
205.541

■ 94, 21.872,
203.931

■ 87, 46.286,
206.453

■ 96, 14.673,
204.145

87, 46.320,
206.612

98, 6.879, 204.478
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.



90, 38.522, 204.119



65, 61.197, 30.621

Rectangle

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



90, 38.522, 204.119



90, 38.522, 254.119



90, 38.522, 24.119



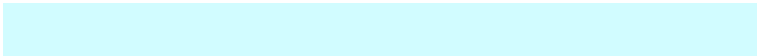
90, 38.522, 74.119

Sweetspot

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



90, 38.529, 203.999



96, 14.400, 204.155



90, 86.676, 140.567



51, 9.911, 204.081



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, 38.529, 203.999



89, 42.528, 204.393



70, 47.020, 272.888



52, 4.663, 204.431



67, 37.351, 206.422



22, 17.325, 205.122

Inverse Universe

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



68, 85.040, 329.279



64, 96.965, 329.793



81, 52.651, 72.761



50, 8.697, 326.596



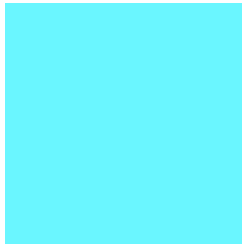
45, 88.831, 330.755



12, 41.097, 330.434

Previews

White Background



This preview shows how the CIE LCh color 90, 38.522, 204.119 looks on a white background.

Color Contrast Check

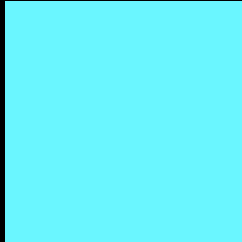
Large Text (above 18pt) WCAG AA × Fail

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, 38.522, 204.119 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, 38.522, 204.119

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.522, 204.119.

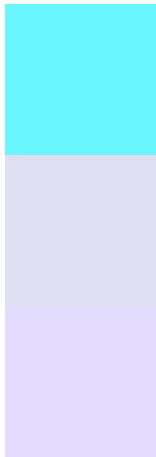


This preview shows how white text looks on a background with the CIELCh color 90, 38.522, 204.119.

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, 38.522, 204.119

Protanopia
89, 9.391, 293.060

Deuteranopia
89, 18.499, 300.058

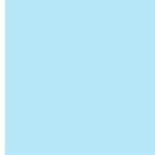


Tritanopia
90, 28.015, 214.083

Trichromacy



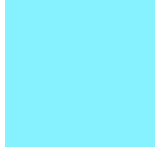
Original Color
90, 38.522, 204.119



Protanomaly
89, 17.788, 224.701



Deuteranomaly
89, 19.301, 241.391

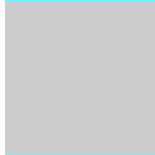


Tritanomaly
90, 32.067, 209.782

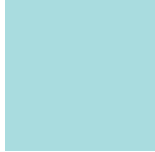
Monochromacy



Original Color
90, 38.522, 204.119



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 17.087, 203.605

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.522, 204.119 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(106, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(106, 246, 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(106, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.522, 204.119 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(106, 246, 255) }
```

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

```
.border{ border-color:rgb(106, 246, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(106, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.522, 204.119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 246, 255) }
```

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

```
.background{ background-color: rgb(106,  
246, 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](#).

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