

Converting Colors

CIELCh(90, 38.274, 204.982)

Have a look what the booklet for
CIELCh(90, 38.274, 204.982)
contains.

CIELCh(90, 38.347, 204.162)	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(90, 38.347, 204.162)

Conversions

Conversions Part 1

Format	Color
Hex	6BF6FF
RGB	107, 246, 255
RGB Percent	42%, 96%, 100%
CMY	0.5801, 0.0350, 0.0000
CMYK	0.58, 0.04, 0.00, 0.00
HSL	184°, 100%, 71%
HSV	184°, 58%, 100%
XYZ	57.1064, 76.3034, 106.3787
YIQ	205.4650, -85.7330, -26.6690

Conversions

Conversions Part 2

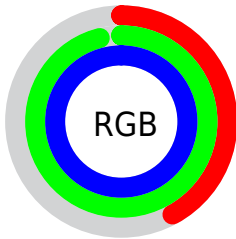
Format	Color
RYB	107, 179, 255
Decimal	7075583
CIELab	90.00, -34.99, -15.70
CIELCh	90, 38.347, 204.162
Yxy	76.3034, 0.2382, 0.3182
Android (android.graphics.Color)	4285265663 (0xFF6BF6FF)
YUV	205.4650, 24.4208, -86.3538
Hunter-Lab	87.3518, -36.1709, -11.0582

Details

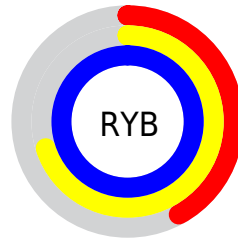
The CIELCh color **90, 38.347, 204.162** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **66, 60.727, 30.604**, and the grayscale version is **83, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 26.754, 197.768**, and **70, 38.321, 204.082** is the 20% darker color. If you saturate the color by 10%, you get **89, 41.912, 204.435**, and if you desaturate by 10%, it is **91, 33.716, 203.947**.

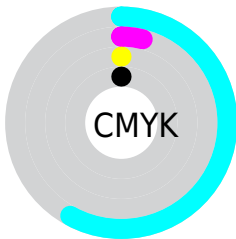
Distribution



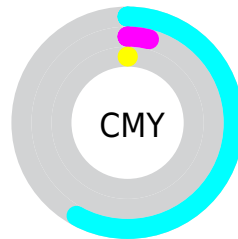
- Red (42%)
- Green (96%)
- Blue (100%)



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



- Cyan (58%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 38.347, 204.162 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, 38.347, 204.162 by changing the saturation by 10% instead.


 90, 38.347,
204.162


 90, 38.347,
204.162


 100, 38.347,
204.162


 80, 38.347,
204.162

 70, 38.347,
204.162

 60, 38.347,
204.162

 50, 38.347,
204.162

 40, 38.347,
204.162

 30, 38.347,
204.162

 20, 38.347,

204.162

■ 10, 38.347,
204.162

■ 0, 38.347, 204.162

■ 90, 38.347,
204.162

■ 90, 38.347,
204.162

■ 89, 41.912,
204.435

■ 91, 33.716,
203.947

■ 88, 44.369,
204.948

■ 93, 28.096,
203.929

■ 87, 45.761,
205.664

■ 94, 21.610,
204.034

■ 87, 46.231,
206.588

■ 96, 14.394,
204.248

87, 46.272,
206.785

98, 6.588, 204.583
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, 38.347, 204.162



66, 60.727, 30.604

Rectangle

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



90, 38.347, 204.162



90, 38.347, 254.162



90, 38.347, 24.162



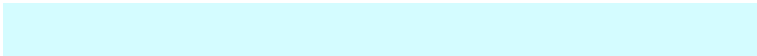
90, 38.347, 74.162

Sweetspot

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



90, 38.350, 204.108



96, 13.631, 204.276



90, 86.230, 140.610



51, 9.059, 204.222



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

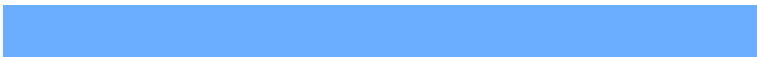
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 38.350, 204.108



89, 42.489, 204.522



70, 46.738, 272.774



52, 4.658, 204.521



67, 37.313, 206.592



22, 17.308, 205.268

Inverse Universe

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



68, 84.576, 329.293



64, 96.904, 329.826



81, 52.308, 72.812



50, 8.692, 326.623



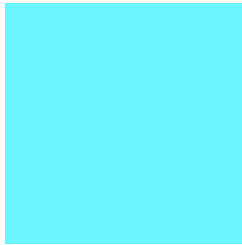
45, 88.766, 330.797



12, 41.071, 330.470

Previews

White Background



This preview shows how the CIE LCh color 90, 38.347, 204.162 looks on a white background.

Color Contrast Check

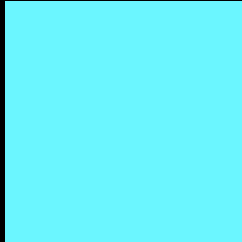
Large Text (above 18pt) WCAG AA × Fail

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, 38.347, 204.162 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, 38.347, 204.162

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.347, 204.162.

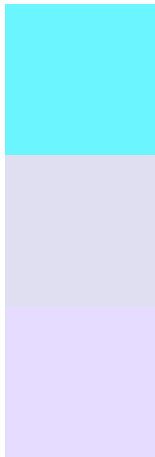


This preview shows how white text looks on a background with the CIELCh color 90, 38.347, 204.162.

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, 38.347, 204.162

Protanopia
89, 9.391, 293.060

Deuteranopia
89, 18.555, 301.097

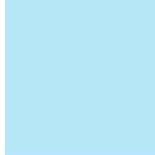


Tritanopia
90, 28.015, 214.083

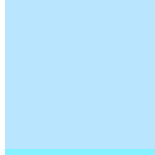
Trichromacy



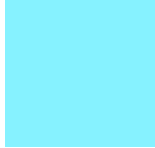
Original Color
90, 38.347, 204.162



Protanomaly
89, 17.788, 224.701



Deuteranomaly
89, 19.203, 243.910

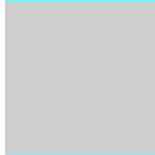


Tritanomaly
90, 32.067, 209.782

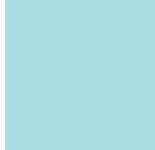
Monochromacy



Original Color
90, 38.347, 204.162



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 17.079, 203.607

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.347, 204.162 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(107, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(107, 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(107, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.347, 204.162 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(107, 246, 255) }
```

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

```
.border{ border-color:rgb(107, 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(107, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(107, 246, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(107, 246, 255); box-shadow:4px 4px 4px 4px rgb(107, 246, 255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.347, 204.162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 246, 255) }
```

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

```
.background{ background-color: rgb(107,  
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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