

Converting Colors

CIELCh(90, 38.957, 204.812)

Have a look what the booklet for
CIELCh(90, 38.957, 204.812)
contains.

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Color

CIELCh(90, 38.868, 204.036)

Conversions

Conversions Part 1

Format	Color
Hex	68F6FF
RGB	104, 246, 255
RGB Percent	41%, 96%, 100%
CMY	0.5907, 0.0341, 0.0000
CMYK	0.59, 0.03, 0.00, 0.00
HSL	183°, 100%, 70%
HSV	183°, 59%, 100%
XYZ	56.8995, 76.3034, 106.5963
YIQ	204.5680, -87.5210, -27.3050

Conversions

Conversions Part 2

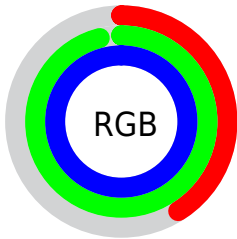
Format	Color
RYB	104, 177, 255
Decimal	6878975
CIELab	90.00, -35.50, -15.83
CIElCh	90, 38.868, 204.036
Yxy	76.3034, 0.2373, 0.3182
Android (android.graphics.Color)	4285069055 (0xFF68F6FF)
YUV	204.5680, 24.8630, -88.1981
Hunter-Lab	87.3518, -36.5937, -11.2059

Details

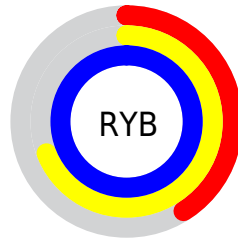
The CIELCh color **90, 38.868, 204.036** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 62.140, 30.662**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.292, 197.735**, and **70, 38.840, 203.946** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.340, 204.104**, and if you desaturate by 10%, it is **91, 34.348, 203.632**.

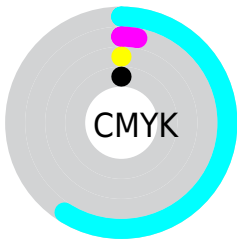
Distribution



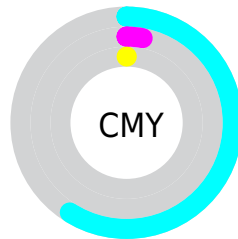
- Red (41%)
- Green (96%)
- Blue (100%)



- Red (41%)
- Yellow (69%)
- Blue (100%)



- Cyan (59%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (3%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 38.868, 204.036 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, 38.868, 204.036 by changing the saturation by 10% instead.


 90, 38.868,
204.036


 90, 38.868,
204.036


 100, 38.868,
204.036


 80, 38.868,
204.036

 70, 38.868,
204.036

 60, 38.868,
204.036

 50, 38.868,
204.036

 40, 38.868,
204.036

 30, 38.868,
204.036

 20, 38.868,

204.036

■ 10, 38.868,
204.036

■ 0, 38.868, 204.036

■ 90, 38.868,
204.036

■ 90, 38.868,
204.036

■ 89, 42.340,
204.104

■ 91, 34.348,
203.632

■ 88, 44.692,
204.603

■ 93, 28.813,
203.619

■ 87, 45.985,
205.300

■ 94, 22.395,
203.728

■ 87, 46.395,
206.190

■ 96, 15.231,
203.944

87, 46.415,
206.276

98, 7.462, 204.274
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, 38.868, 204.036



65, 62.140, 30.662

Rectangle

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



90, 38.868, 204.036



90, 38.868, 254.036



90, 38.868, 24.036



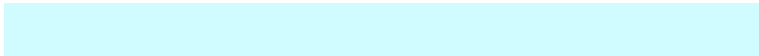
90, 38.868, 74.036

Sweetspot

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



90, 38.884, 203.787



96, 14.425, 203.974



90, 87.567, 140.478



51, 9.928, 203.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

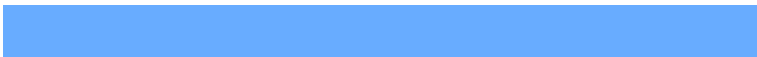
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 38.884, 203.787



89, 42.879, 204.185



69, 47.586, 273.119



52, 4.670, 204.256



67, 37.427, 206.093



22, 17.357, 204.838

Inverse Universe

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



68, 85.963, 329.253



64, 97.946, 329.770



81, 53.338, 72.656



50, 8.708, 326.544



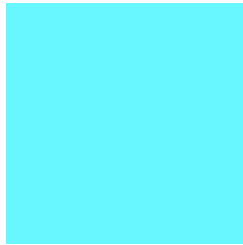
45, 88.957, 330.674



12, 41.148, 330.364

Previews

White Background



This preview shows how the CIE LCh color 90, 38.868, 204.036 looks on a white background.

Color Contrast Check

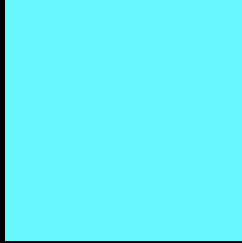
Large Text (above 18pt) WCAG AA × Fail

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, 38.868, 204.036 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, 38.868, 204.036

Background



This preview shows how black text looks on a background with the CIELCh color 90, 38.868, 204.036.




This preview shows how white text looks on a background with the CIELCh color 90, 38.868, 204.036.

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



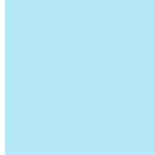


Tritanopia
90, 28.015, 214.083

Trichromacy



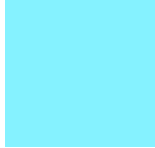
Original Color
90, 38.868, 204.036



Protanomaly
89, 18.056, 224.268



Deuteranomaly
89, 19.520, 240.793

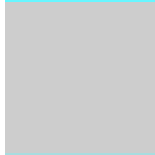


Tritanomaly
90, 32.285, 209.686

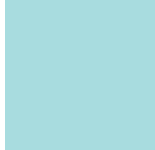
Monochromacy



Original Color
90, 38.868, 204.036



Achromatopsia
82, 0.010, 296.813



Achromatomaly
84, 17.393, 203.491

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 38.868, 204.036 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(104, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(104, 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(104, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 38.868, 204.036 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(104, 246, 255) }
```

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

```
.border{ border-color:rgb(104, 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(104, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(104, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 38.868, 204.036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 246, 255) }
```

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

```
.background{ background-color: rgb(104,  
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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