

Converting Colors

CIELCh(90, 39.134, 204.202)

Have a look what the booklet for
CIELCh(90, 39.134, 204.202)
contains.

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Color

CIELCh(90, 39.038, 203.996)

Conversions

Conversions Part 1

Format	Color
Hex	67F6FF
RGB	103, 246, 255
RGB Percent	40%, 96%, 100%
CMY	0.5943, 0.0338, 0.0000
CMYK	0.59, 0.03, 0.00, 0.00
HSL	183°, 100%, 70%
HSV	183°, 59%, 100%
XYZ	56.8321, 76.3034, 106.6677
YIQ	204.2690, -88.1170, -27.5170

Conversions

Conversions Part 2

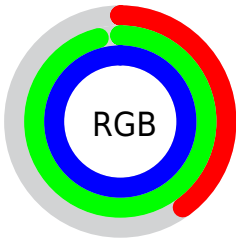
Format	Color
RYB	103, 177, 255
Decimal	6813439
CIELab	90.00, -35.66, -15.88
CIElCh	90, 39.038, 203.996
Yxy	76.3034, 0.2370, 0.3182
Android (android.graphics.Color)	4285003519 (0xFF67F6FF)
YUV	204.2690, 25.0104, -88.8129
Hunter-Lab	87.3518, -36.7314, -11.2544

Details

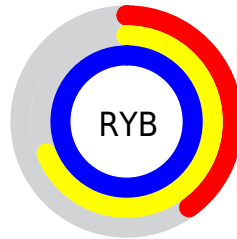
The CIELCh color **90, 39.038, 203.996** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **65, 62.609, 30.686**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **95, 27.559, 197.719**, and **70, 38.960, 203.915** is the 20% darker color. If you saturate the color by 10%, you get **89, 42.480, 203.998**, and if you desaturate by 10%, it is **91, 34.555, 203.531**.

Distribution



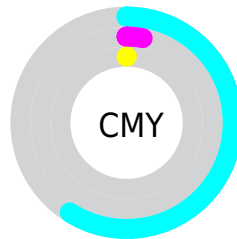
- Red (40%)
- Green (96%)
- Blue (100%)



- Red (40%)
- 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, 39.038, 203.996 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, 39.038, 203.996 by changing the saturation by 10% instead.


 90, 39.038,
203.996


 90, 39.038,
203.996


 100, 39.038,
203.996


 80, 39.038,
203.996

 70, 39.038,
203.996

 60, 39.038,
203.996

 50, 39.038,
203.996

 40, 39.038,
203.996

 30, 39.038,
203.996

 20, 39.038,

203.996

■ 10, 39.038,
203.996

■ 0, 39.038, 203.996

■ 90, 39.038,
203.996

■ 90, 39.038,
203.996

■ 89, 42.480,
203.998

■ 91, 34.555,
203.531

■ 88, 44.796,
204.492

■ 93, 29.049,
203.519

■ 87, 46.056,
205.183

■ 94, 22.655,
203.630

■ 87, 46.449,
206.061

■ 96, 15.509,
203.847

87, 46.461,
206.114

98, 7.752, 204.175
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, 39.038, 203.996



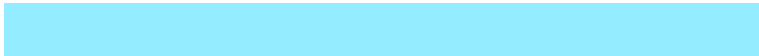
65, 62.609, 30.686

Rectangle

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



90, 39.038, 203.996



90, 39.038, 253.996



90, 39.038, 23.996



90, 39.038, 73.996

Sweetspot

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



90, 39.059, 203.684



96, 14.436, 203.886



90, 88.008, 140.434



51, 9.936, 203.808



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

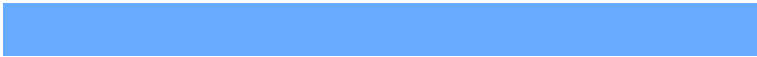
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90, 39.059, 203.684



89, 42.917, 204.063



69, 47.868, 273.235



52, 4.674, 204.171



67, 37.464, 205.934



22, 17.373, 204.700

Inverse Universe

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



68, 86.418, 329.240



64, 98.004, 329.739



81, 53.680, 72.604



50, 8.713, 326.519



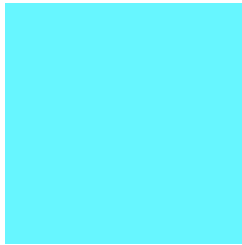
45, 89.018, 330.635



12, 41.173, 330.330

Previews

White Background



This preview shows how the CIE LCh color 90, 39.038, 203.996 looks on a white background.

Color Contrast Check

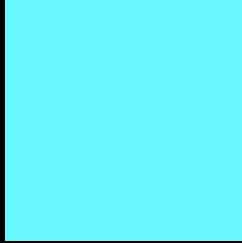
Large Text (above 18pt) WCAG AA × Fail

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, 39.038, 203.996 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, 39.038, 203.996

Background



This preview shows how black text looks on a background with the CIELCh color 90, 39.038, 203.996.



This preview shows how white text looks on a background with the CIELCh color 90, 39.038, 203.996.

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



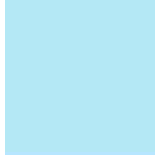


Tritanopia
90, 28.252, 213.929

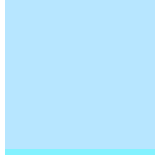
Trichromacy



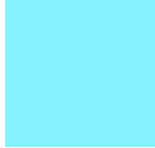
Original Color
90, 39.038, 203.996



Protanomaly
89, 18.002, 220.643



Deuteranomaly
89, 19.520, 240.793

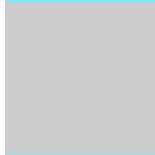


Tritanomaly
90, 32.501, 209.591

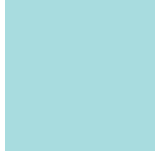
Monochromacy



Original Color
90, 39.038, 203.996



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, 39.038, 203.996 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(103, 246, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 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(103, 246, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 246, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 39.038, 203.996 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(103, 246, 255) }
```

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

```
.border{ border-color:rgb(103, 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(103, 246, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 246, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 246, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 246,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 39.038, 203.996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 246, 255) }
```

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

```
.background{ background-color: rgb(103,  
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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