

Converting Colors

CIELCh(79, 38.033, 238.610)

Have a look what the booklet for
CIELCh(79, 38.033, 238.610)
contains.

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Color

CIELCh(79, 38.048, 238.444)

Conversions

Conversions Part 1

Format	Color
Hex	59D1FF
RGB	89, 209, 255
RGB Percent	35%, 82%, 100%
CMY	0.6511, 0.1805, 0.0001
CMYK	0.65, 0.18, 0.00, 0.00
HSL	197°, 100%, 67%
HSV	197°, 65%, 100%
XYZ	44.9561, 54.9284, 102.8173
YIQ	178.3640, -86.2860, -11.1340

Conversions

Conversions Part 2

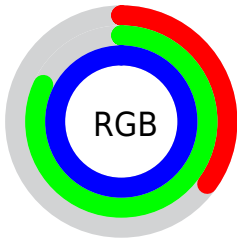
Format	Color
R _Y B	89, 159, 255
Decimal	5886463
CIE Lab	79.00, -19.91, -32.42
CIE LCh	79, 38.048, 238.444
Yxy	54.9284, 0.2218, 0.2710
Android (android.graphics.Color)	4284076543 (0xFF59D1FF)
YUV	178.3640, 37.7815, -78.3722
Hunter-Lab	74.1137, -21.4240, -30.3729

Details

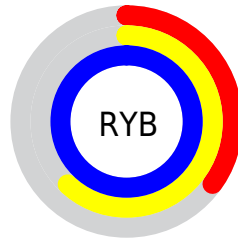
The CIELCh color **79, 38.048, 238.444** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **69, 61.354, 46.925**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.907, 197.515**, and **59, 36.864, 240.606** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.491, 241.717**, and if you desaturate by 10%, it is **82, 33.882, 235.810**.

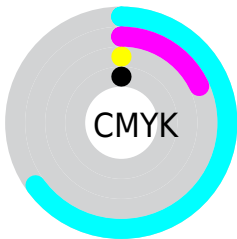
Distribution



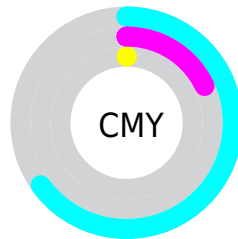
- Red (35%)
- Green (82%)
- Blue (100%)



- Red (35%)
- Yellow (62%)
- Blue (100%)



- Cyan (65%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 79, 38.048, 238.444 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 79, 38.048, 238.444 by changing the saturation by 10% instead.

 79, 38.048,
238.444

 79, 38.048,
238.444

 100, 38.048,
238.444

 69, 38.048,
238.444

 99, 38.048,
238.444

 59, 38.048,
238.444

 49, 38.048,
238.444

 39, 38.048,
238.444

 29, 38.048,
238.444

 19, 38.048,
238.444

 9, 38.048, 238.444

0, 38.048, 238.444

79, 38.048,
238.444

79, 38.048,
238.444

76, 41.491,
241.717

82, 33.882,
235.810

74, 44.289,
245.694

85, 28.999,
233.724

72, 46.612,
250.365

88, 23.451,
232.091

71, 47.693,
252.796

91, 17.323,
230.825

95, 10.710,
229.859

98, 3.704, 229.208

Harmonies

Complementary

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



79, 38.048, 238.444



69, 61.354, 46.925

Rectangle

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



79, 38.048, 238.444



79, 38.048, 288.444



79, 38.048, 58.444



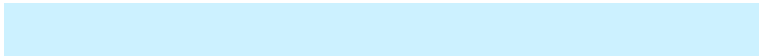
79, 38.048, 108.444

Sweetspot

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



79, 38.047, 238.444



93, 14.003, 230.297



90, 81.727, 146.054



49, 9.479, 230.579



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



79, 38.047, 238.444



76, 42.365, 242.795



57, 72.343, 291.160



51, 4.085, 229.442



54, 38.156, 251.853



17, 16.850, 245.074

Inverse Universe

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



64, 79.893, 338.660



60, 88.873, 340.165



88, 65.624, 90.065



50, 7.461, 333.986



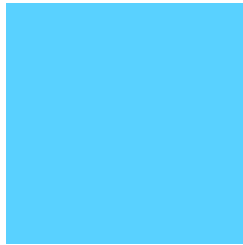
43, 75.436, 343.276



11, 35.509, 340.982

Previews

White Background



This preview shows how the CIELCh color 79, 38.048, 238.444 looks on a white background.

Color Contrast Check

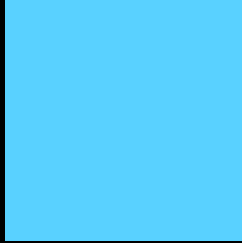
Large Text (above 18pt) WCAG AA × Fail

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 79, 38.048, 238.444 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

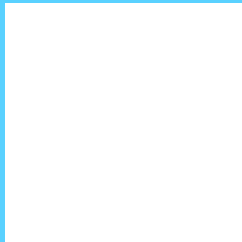
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 79, 38.048, 238.444

Background



This preview shows how black text looks on a background with the CIELCh color 79, 38.048, 238.444.

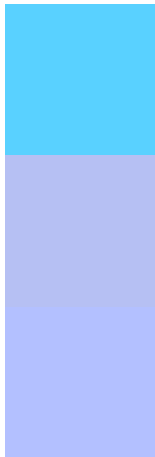


This preview shows how white text looks on a background with the CIELCh color 79, 38.048, 238.444.

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


79, 38.048, 238.444

Protanopia

79, 27.394, 285.838

Deuteranopia

79, 33.807, 286.263



Tritanopia
79, 36.723, 212.422

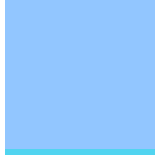
Trichromacy



Original Color
79, 38.048, 238.444



Protanomaly
78, 29.625, 261.855

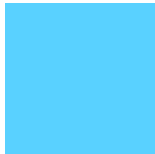


Deuteranomaly
78, 33.425, 265.600

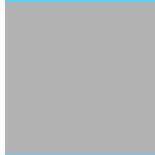


Tritanomaly
79, 36.416, 221.819

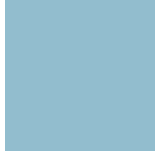
Monochromacy



Original Color
79, 38.048, 238.444



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 16.714, 232.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 79, 38.048, 238.444 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(89, 209, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 209, 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(89, 209, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 209, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 79, 38.048, 238.444 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(89, 209, 255) }
```

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

```
.border{ border-color:rgb(89, 209, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 209, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 209, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 209, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 209,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 79, 38.048, 238.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 209, 255) }
```

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

```
.background{ background-color: rgb(89, 209,  
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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