

Converting Colors

CIELCh(78, 38.684, 239.704)

Have a look what the booklet for
CIELCh(78, 38.684, 239.704)
contains.

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Color

CIELCh(78, 38.715, 239.866)

Conversions

Conversions Part 1

Format	Color
Hex	54CEFE
RGB	84, 206, 254
RGB Percent	33%, 81%, 100%
CMY	0.6703, 0.1920, 0.0037
CMYK	0.67, 0.19, 0.00, 0.00
HSL	197°, 99%, 66%
HSV	197°, 67%, 100%
XYZ	43.6416, 53.2120, 101.7783
YIQ	174.9940, -88.1200, -10.9360

Conversions

Conversions Part 2

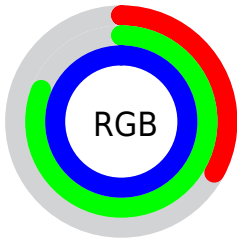
Format	Color
R _Y B	84, 155, 254
Decimal	5558014
CIE Lab	78.00, -19.44, -33.48
CIE LCh	78, 38.715, 239.866
Yxy	53.2120, 0.2197, 0.2679
Android (android.graphics.Color)	4283748094 (0xFF54CEFE)
YUV	174.9940, 38.9500, -79.8017
Hunter-Lab	72.9466, -20.8656, -31.6615

Details

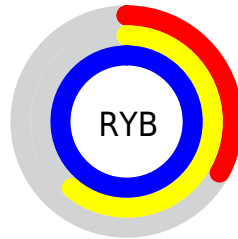
The CIELCh color **78, 38.715, 239.866** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **68, 63.083, 47.374**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **58, 36.914, 241.922** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.085, 243.312**, and if you desaturate by 10%, it is **81, 34.647, 237.077**.

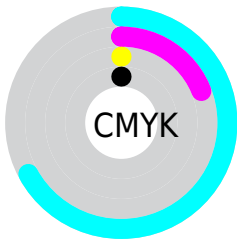
Distribution



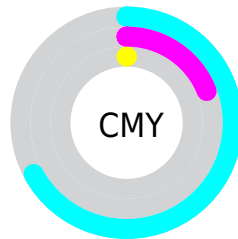
- Red (33%)
- Green (81%)
- Blue (100%)



- Red (33%)
- Yellow (61%)
- Blue (100%)



- Cyan (67%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (67%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 38.715, 239.866 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 78, 38.715, 239.866 by changing the saturation by 10% instead.


 78, 38.715,
239.866

 78, 38.715,
239.866


 100, 38.715,
239.866


 68, 38.715,
239.866


 98, 38.715,
239.866


 58, 38.715,
239.866

 48, 38.715,
239.866

 38, 38.715,
239.866

 28, 38.715,
239.866

 18, 38.715,
239.866

 8, 38.715, 239.866

0, 38.715, 239.866

78, 38.715,
239.866

78, 38.715,
239.866

75, 42.085,
243.312

81, 34.647,
237.077

73, 44.854,
247.468

84, 29.872,
234.857

71, 47.212,
252.292

87, 24.434,
233.112

70, 47.935,
253.830

90, 18.410,
231.753

94, 11.893,
230.708

97, 4.974, 229.956

100, 0.470,
109.978

Harmonies

Complementary

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



78, 38.715, 239.866



68, 63.083, 47.374

Rectangle

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



78, 38.715, 239.866



78, 38.715, 289.866



78, 38.715, 59.866



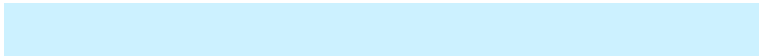
78, 38.715, 109.866

Sweetspot

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



78, 38.714, 239.866



93, 13.997, 231.001



89, 83.343, 145.765



49, 9.476, 231.290



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



78, 38.714, 239.866



75, 43.125, 244.527



55, 74.346, 291.695



51, 4.082, 230.117



54, 38.444, 252.890



17, 16.935, 246.046

Inverse Universe

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



63, 80.904, 339.121



60, 89.541, 340.729



87, 67.011, 89.818



50, 7.433, 334.196



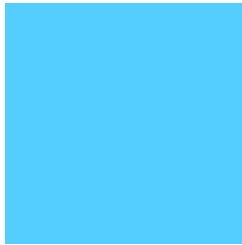
43, 75.171, 343.654



11, 35.393, 341.294

Previews

White Background



This preview shows how the CIELCh color 78, 38.715, 239.866 looks on a white background.

Color Contrast Check

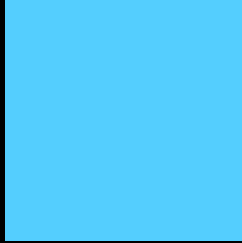
Large Text (above 18pt) WCAG AA × Fail

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 78, 38.715, 239.866 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

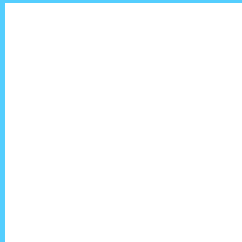
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 38.715, 239.866

Background



This preview shows how black text looks on a background with the CIELCh color 78, 38.715, 239.866.

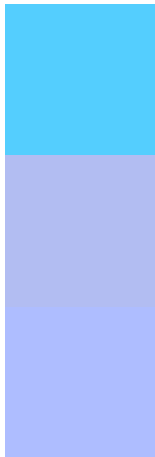


This preview shows how white text looks on a background with the CIELCh color 78, 38.715, 239.866.

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

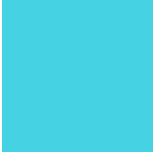
78, 38.715, 239.866

Protanopia

77, 28.560, 285.633

Deuteranopia

78, 35.542, 285.849



Tritanopia
78, 37.293, 211.286

Trichromacy



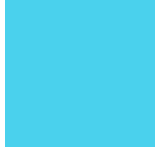
Original Color
78, 38.715, 239.866



Protanomaly
77, 30.684, 262.758



Deuteranomaly
77, 35.065, 266.465



Tritanomaly
78, 36.823, 221.562

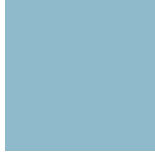
Monochromacy



Original Color
78, 38.715, 239.866



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 17.240, 233.238

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 38.715, 239.866 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(84, 206, 254)` looks like.

```
.text, #text, p{  
    color:rgb(84, 206, 254)  
}
```

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(84, 206, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 206, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 38.715, 239.866 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(84, 206, 254) }
```

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

```
.border{ border-color:rgb(84, 206, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 206, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(84, 206,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 38.715, 239.866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 206, 254) }
```

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

```
.background{ background-color: rgb(84, 206,  
254) }
```

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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