

Converting Colors

CIELCh(78, 40.085, 237.185)

Have a look what the booklet for
CIELCh(78, 40.085, 237.185)
contains.

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Color

CIELCh(78, 39.968, 237.120)

Conversions

Conversions Part 1

Format	Color
Hex	47CFFE
RGB	71, 207, 254
RGB Percent	28%, 81%, 100%
CMY	0.7206, 0.1876, 0.0033
CMYK	0.72, 0.18, 0.00, 0.00
HSL	195°, 99%, 64%
HSV	195°, 72%, 100%
XYZ	42.8783, 53.2120, 101.9075
YIQ	171.6940, -96.1430, -14.2150

Conversions

Conversions Part 2

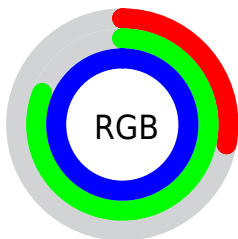
Format	Color
R _Y B	71, 149, 254
Decimal	4706302
CIE Lab	78.00, -21.70, -33.57
CIE LCh	78, 39.968, 237.120
Yxy	53.2120, 0.2166, 0.2688
Android (android.graphics.Color)	4282896382 (0xFF47CFFE)
YUV	171.6940, 40.5769, -88.3086
Hunter-Lab	72.9466, -22.7333, -31.7665

Details

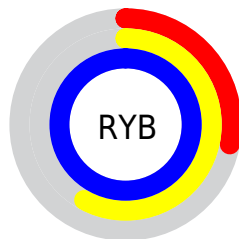
The CIELCh color **78, 39.968, 237.120** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **65, 69.757, 45.546**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.015, 197.328**, and **59, 36.756, 240.832** is the 20% darker color. If you saturate the color by 10%, you get **76, 42.701, 240.653**, and if you desaturate by 10%, it is **81, 36.493, 234.260**.

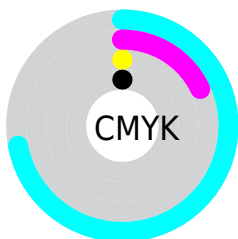
Distribution



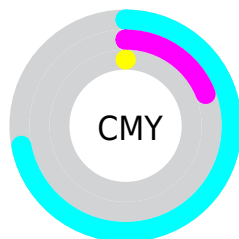
- Red (28%)
- Green (81%)
- Blue (100%)



- Red (28%)
- Yellow (58%)
- Blue (100%)



- Cyan (72%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 39.968, 237.120 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, 39.968, 237.120 by changing the saturation by 10% instead.


 78, 39.968,
237.120


 78, 39.968,
237.120


 100, 39.968,
237.120


 68, 39.968,
237.120


 98, 39.968,
237.120

 58, 39.968,
237.120

 48, 39.968,
237.120

 38, 39.968,
237.120

 28, 39.968,
237.120

 18, 39.968,
237.120

 8, 39.968, 237.120

■ 0, 39.968, 237.120

■ 78, 39.968,
237.120

■ 78, 39.968,
237.120

■ 76, 42.701,
240.653

■ 81, 36.493,
234.260

■ 74, 44.824,
244.897

■ 83, 32.239,
231.992

■ 72, 46.284,
248.708

■ 86, 27.237,
230.219

■ 89, 21.559,
228.849

■ 92, 15.302,
227.806

■ 96, 8.565, 227.036

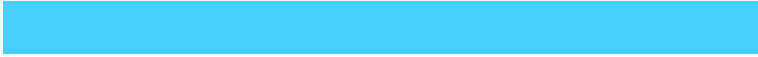
99, 1.445, 226.794

100, 0.416,
109.961

Harmonies

Complementary

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



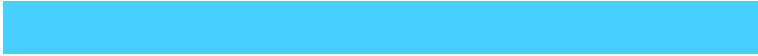
78, 39.968, 237.120



65, 69.757, 45.546

Rectangle

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



78, 39.968, 237.120



78, 39.968, 287.120



78, 39.968, 57.120



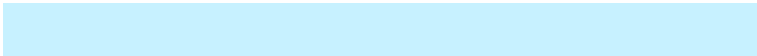
78, 39.968, 107.120

Sweetspot

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



78, 39.967, 237.120



93, 15.361, 227.809



89, 89.463, 144.361



48, 10.237, 228.064



0, 0.000, 0.000



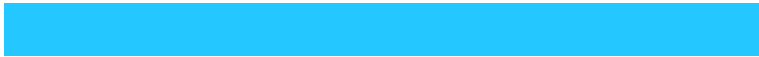
53, 0.007, 296.813

Same Dimension

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



78, 39.967, 237.120



75, 43.731, 242.285



53, 78.772, 292.351



51, 4.103, 226.889



55, 37.173, 247.805



18, 16.571, 241.321

Inverse Universe

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



62, 86.126, 338.382



59, 93.261, 340.066



85, 70.527, 87.834



50, 7.569, 333.200



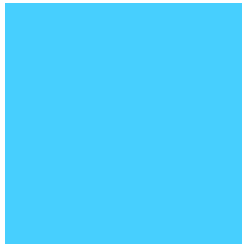
43, 76.477, 341.873



11, 35.962, 339.821

Previews

White Background



This preview shows how the CIE LCh color 78, 39.968, 237.120 looks on a white background.

Color Contrast Check

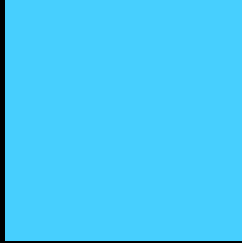
Large Text (above 18pt) WCAG AA × Fail

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, 39.968, 237.120 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, 39.968, 237.120

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.968, 237.120.

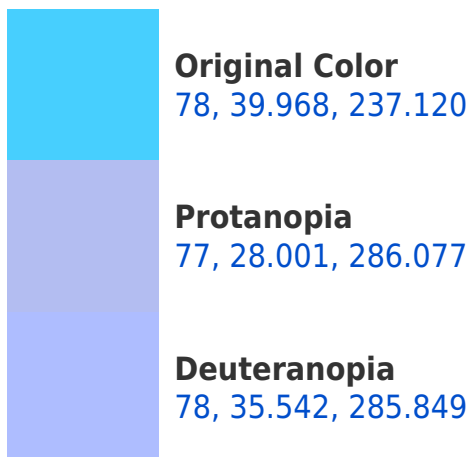


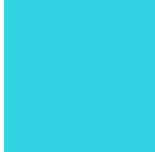
This preview shows how white text looks on a background with the CIELCh color 78, 39.968, 237.120.

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
78, 39.374, 210.384

Trichromacy



Original Color
78, 39.968, 237.120



Protanomaly
77, 30.846, 259.913



Deuteranomaly
77, 35.109, 264.027



Tritanomaly
78, 38.692, 220.192

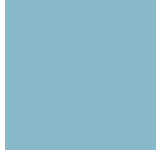
Monochromacy



Original Color
78, 39.968, 237.120



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 18.520, 228.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.968, 237.120 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(71, 207, 254)` looks like.

```
.text, #text, p{  
    color:rgb(71, 207, 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(71, 207, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 207, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.968, 237.120 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(71, 207, 254) }
```

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

```
.border{ border-color:rgb(71, 207, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 207, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 207, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 207, 254);  
box-shadow:4px 4px 4px 4px rgb(71, 207,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.968, 237.120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 207, 254) }
```

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

```
.background{ background-color: rgb(71, 207,  
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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