

Converting Colors

CIELCh(83, 80.264, 279.401)

Have a look what the booklet for
CIELCh(83, 80.264, 279.401)
contains.

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Color

CIELCh(78, 39.179, 239.188)

Conversions

Conversions Part 1

Format	Color
Hex	50CEFE
RGB	80, 206, 254
RGB Percent	31%, 81%, 100%
CMY	0.6856, 0.1907, 0.0026
CMYK	0.68, 0.19, 0.00, 0.00
HSL	197°, 99%, 66%
HSV	197°, 68%, 100%
XYZ	43.4273, 53.2120, 102.0380
YIQ	173.7980, -90.5040, -11.7840

Conversions

Conversions Part 2

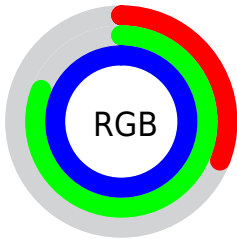
Format	Color
R_{YB}	80, 153, 254
Decimal	5295870
CIE _{Lab}	78.00, -20.07, -33.65
CIE _{LCh}	78, 39.179, 239.188
Yxy	53.2120, 0.2186, 0.2678
Android (android.graphics.Color)	4283485950 (0xFF50CEFE)
YUV	173.7980, 39.5396, -82.2608
Hunter-Lab	72.9466, -21.3901, -31.8726

Details

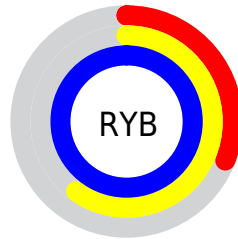
The CIELCh color **78, 39.179, 239.188** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light muted cyan. A complement of this color would be **67, 65.154, 46.842**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **58, 36.914, 241.922** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.365, 242.677**, and if you desaturate by 10%, it is **81, 35.281, 236.364**.

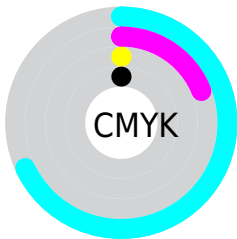
Distribution



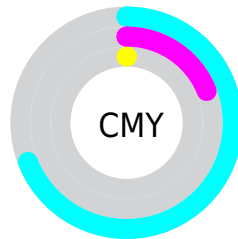
- Red (31%)
- Green (81%)
- Blue (100%)



- Red (31%)
- Yellow (60%)
- Blue (100%)



- Cyan (68%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (69%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 39.179, 239.188 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, 39.179, 239.188 by changing the saturation by 10% instead.

 78, 39.179,
239.188

 78, 39.179,
239.188

 100, 39.179,
239.188

 68, 39.179,
239.188

 98, 39.179,
239.188

 58, 39.179,
239.188

 48, 39.179,
239.188

 38, 39.179,
239.188

 28, 39.179,
239.188

 18, 39.179,
239.188

 8, 39.179, 239.188

■ 0, 39.179, 239.188

■ 78, 39.179,
239.188

■ 78, 39.179,
239.188

■ 75, 42.365,
242.677

■ 81, 35.281,
236.364

■ 73, 44.949,
246.877

■ 84, 30.656,
234.119

■ 71, 47.148,
251.713

■ 87, 25.341,
232.356

■ 71, 47.486,
252.457

■ 90, 19.414,
230.985

■ 93, 12.967,
229.934

■ 97, 6.097, 229.165

100, 0.320,
109.912

Harmonies

Complementary

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



78, 39.179, 239.188



67, 65.154, 46.842

Rectangle

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



78, 39.179, 239.188



78, 39.179, 289.188



78, 39.179, 59.188



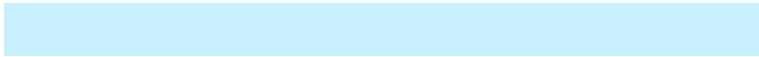
78, 39.179, 109.188

Sweetspot

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



78, 39.178, 239.188



93, 14.666, 230.172



89, 85.003, 145.506



48, 9.849, 230.453



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, 39.178, 239.188



75, 43.423, 244.078



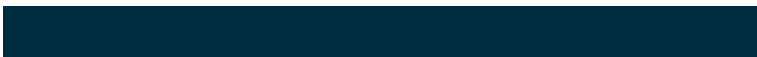
55, 76.359, 292.173



51, 4.087, 229.229



54, 38.067, 251.523



17, 16.824, 244.765

Inverse Universe

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



63, 82.596, 338.941



59, 90.794, 340.600



87, 68.417, 89.599



50, 7.470, 333.919



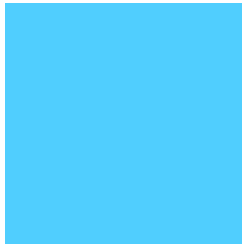
43, 75.520, 343.157



11, 35.546, 340.884

Previews

White Background



This preview shows how the CIELCh color 78, 39.179, 239.188 looks on a white background.

Color Contrast Check

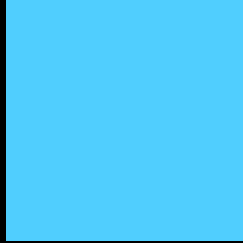
Large Text (above 18pt) WCAG AA × Fail

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, 39.179, 239.188 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

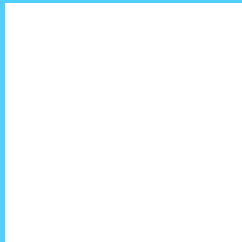
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 39.179, 239.188

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.179, 239.188.

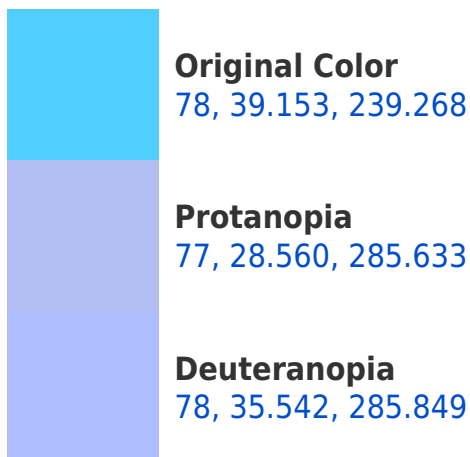


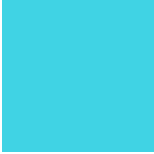
This preview shows how white text looks on a background with the CIELCh color 78, 39.179, 239.188.

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, 37.913, 211.009

Trichromacy



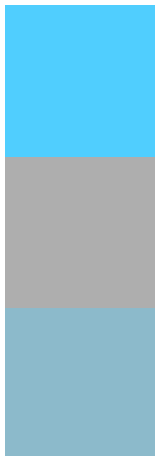
Original Color
78, 39.153, 239.268

Protanomaly
77, 30.924, 261.877

Deuteranomaly
77, 35.166, 266.084

Tritanomaly
78, 37.410, 222.053

Monochromacy



Original Color
78, 39.153, 239.268

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 17.499, 230.476

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.179, 239.188 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(80, 206, 254)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 206, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 206, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.179, 239.188 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(80, 206, 254) }
```

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

```
.border{ border-color:rgb(80, 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(80, 206, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(80, 206,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.179, 239.188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 206, 254) }
```

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

```
.background{ background-color: rgb(80, 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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