

Converting Colors

CIELCh(80, 38.965, 231.046)

Have a look what the booklet for
CIELCh(80, 38.965, 231.046)
contains.

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Color

CIELCh(80, 39.026, 230.943)

Conversions

Conversions Part 1

Format	Color
Hex	4CD6FE
RGB	76, 214, 254
RGB Percent	30%, 84%, 100%
CMY	0.7028, 0.1614, 0.0046
CMYK	0.70, 0.16, 0.00, 0.00
HSL	193°, 99%, 65%
HSV	193°, 70%, 100%
XYZ	44.8288, 56.6813, 102.2004
YIQ	177.2980, -95.0880, -16.8160

Conversions

Conversions Part 2

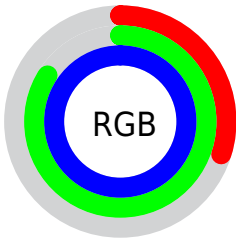
Format	Color
RYB	76, 154, 254
Decimal	5035774
CIELab	80.00, -24.59, -30.30
CIELCh	80, 39.026, 230.943
Yxy	56.6813, 0.2201, 0.2782
Android (android.graphics.Color)	4283225854 (0xFF4CD6FE)
YUV	177.2980, 37.8141, -88.8383
Hunter-Lab	75.2870, -25.4663, -27.7840

Details

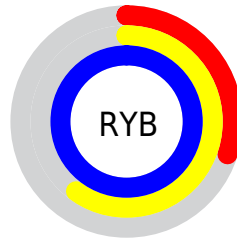
The CIELCh color **80, 39.026, 230.943** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **65, 68.684, 43.147**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.085, 197.384**, and **61, 36.077, 234.200** is the 20% darker color. If you saturate the color by 10%, you get **78, 41.572, 233.939**, and if you desaturate by 10%, it is **82, 35.633, 228.561**.

Distribution



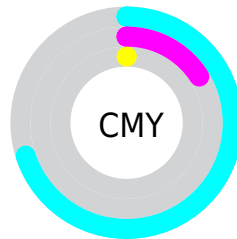
- Red (30%)
- Green (84%)
- Blue (100%)



- Red (30%)
- Yellow (60%)
- Blue (100%)



- Cyan (70%)
- Magenta (16%)
- Yellow (0%)
- Black (0%)





- Cyan (70%)
- Magenta (16%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 39.026, 230.943 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 80, 39.026, 230.943 by changing the saturation by 10% instead.


 80, 39.026,
230.943


 80, 39.026,
230.943


 100, 39.026,
230.943


 70, 39.026,
230.943

 60, 39.026,
230.943

 50, 39.026,
230.943

 40, 39.026,
230.943

 30, 39.026,
230.943

 20, 39.026,
230.943

 10, 39.026,

230.943

0, 39.026, 230.943

80, 39.026,
230.943

80, 39.026,
230.943

78, 41.572,
233.939

82, 35.633,
228.561

76, 43.372,
237.615

85, 31.387,
226.704

74, 44.656,
241.832

87, 26.340,
225.280

90, 20.582,
224.208

93, 14.219,
223.418

■ 96, 7.362, 222.874

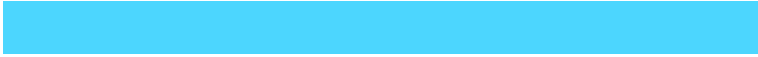
100, 0.112,
228.114

100, 0.582,
110.001

Harmonies

Complementary

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



80, 39.026, 230.943



65, 68.684, 43.147

Rectangle

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



80, 39.026, 230.943



80, 39.026, 280.943



80, 39.026, 50.943



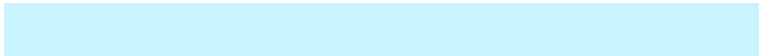
80, 39.026, 100.943

Sweetspot

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



80, 39.025, 230.942



93, 14.839, 223.476



89, 89.764, 143.593



49, 9.956, 223.675



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 39.025, 230.942



77, 42.498, 235.281



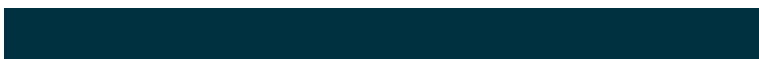
56, 72.877, 289.829



52, 4.147, 222.848



57, 35.977, 241.008



18, 16.265, 235.149

Inverse Universe

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



63, 86.538, 336.608



59, 94.665, 337.998



84, 67.676, 85.483



50, 7.746, 331.984



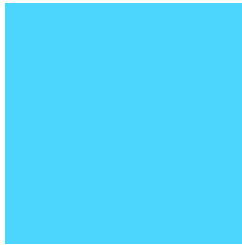
43, 78.252, 339.728



11, 36.722, 338.040

Previews

White Background



This preview shows how the CIE LCh color 80, 39.026, 230.943 looks on a white background.

Color Contrast Check

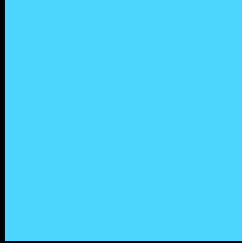
Large Text (above 18pt) WCAG AA × Fail

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 80, 39.026, 230.943 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 80, 39.026, 230.943

Background



This preview shows how black text looks on a background with the CIELCh color 80, 39.026, 230.943.



This preview shows how white text looks on a background with the CIELCh color 80, 39.026, 230.943.

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
80, 39.074, 211.312

Trichromacy



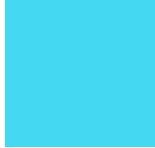
Original Color
80, 39.026, 230.943



Protanomaly
79, 27.729, 255.143



Deuteranomaly
79, 32.475, 262.176

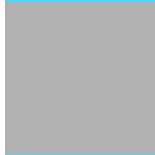


Tritanomaly
80, 38.574, 218.411

Monochromacy



Original Color
80, 39.026, 230.943



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 18.092, 225.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 39.026, 230.943 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(76, 214, 254)` looks like.

```
.text, #text, p{  
    color:rgb(76, 214, 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(76, 214, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 214, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 39.026, 230.943 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(76, 214, 254) }
```

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

```
.border{ border-color:rgb(76, 214, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 214, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 214, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 214, 254);  
box-shadow:4px 4px 4px 4px rgb(76, 214,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 39.026, 230.943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 214, 254) }
```

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

```
.background{ background-color: rgb(76, 214,  
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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