

Converting Colors

CIELCh(76, 39.933, 247.636)

Have a look what the booklet for
CIELCh(76, 39.933, 247.636)
contains.

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Color

CIELCh(76, 39.933, 247.636)

Conversions

Conversions Part 1

Format	Color
Hex	56C7FF
RGB	86, 199, 255
RGB Percent	34%, 78%, 100%
CMY	0.6641, 0.2207, 0.0011
CMYK	0.66, 0.22, 0.00, 0.00
HSL	200°, 100%, 67%
HSV	200°, 66%, 100%
XYZ	42.1722, 49.8872, 101.7758
YIQ	171.5970, -85.3240, -6.5400

Conversions

Conversions Part 2

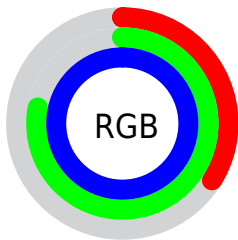
Format	Color
R _Y B	86, 154, 255
Decimal	5687295
CIE Lab	76.00, -15.19, -36.93
CIE LCh	76, 39.933, 247.636
Yxy	49.8872, 0.2176, 0.2574
Android (android.graphics.Color)	4283877375 (0xFF56C7FF)
YUV	171.5970, 41.1177, -75.0686
Hunter-Lab	70.6309, -17.0257, -35.9925

Details

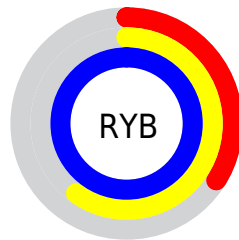
The CIELCh color **76, 39.933, 247.636** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **70, 61.376, 51.447**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.646, 197.470**, and **56, 38.693, 250.105** is the 20% darker color. If you saturate the color by 10%, you get **73, 43.978, 251.419**, and if you desaturate by 10%, it is **79, 35.336, 244.515**.

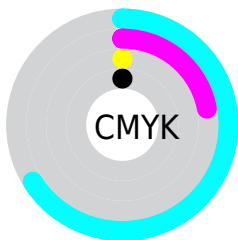
Distribution



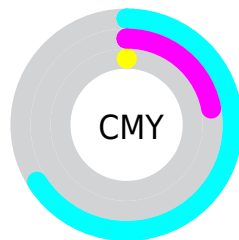
- Red (34%)
- Green (78%)
- Blue (100%)



- Red (34%)
- Yellow (60%)
- Blue (100%)



- Cyan (66%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (66%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 39.933, 247.636 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 76, 39.933, 247.636 by changing the saturation by 10% instead.


 76, 39.933,
247.636


 76, 39.933,
247.636


 100, 39.933,
247.636


 66, 39.933,
247.636


 96, 39.933,
247.636

 56, 39.933,
247.636

 46, 39.933,
247.636

 36, 39.933,
247.636

 26, 39.933,
247.636

 16, 39.933,
247.636

 6, 39.933, 247.636

■ 0, 39.933, 247.636

■ 76, 39.933,
247.636

■ 76, 39.933,
247.636

■ 73, 43.978,
251.419

■ 79, 35.336,
244.515

■ 70, 47.585,
255.882

■ 83, 30.161,
241.984

■ 68, 50.943,
260.939

■ 86, 24.432,
239.954

■ 67, 52.181,
262.812

■ 90, 18.210,
238.336

■ 94, 11.571,
237.058

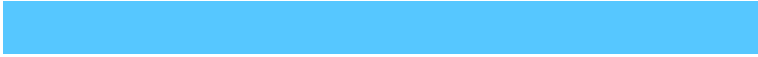
■ 97, 4.593, 236.100

100, 0.131,
109.579

Harmonies

Complementary

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



76, 39.933, 247.636



70, 61.376, 51.447

Rectangle

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



76, 39.933, 247.636



76, 39.933, 297.636



76, 39.933, 67.636



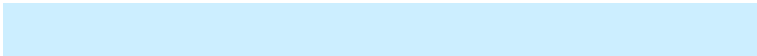
76, 39.933, 117.636

Sweetspot

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



76, 39.932, 247.636



92, 14.038, 237.487



89, 79.775, 147.652



48, 9.515, 237.846



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 39.932, 247.636



72, 45.370, 252.964



54, 79.011, 294.100



51, 4.079, 236.358



51, 41.630, 261.836



16, 17.923, 254.618

Inverse Universe

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



63, 78.212, 341.633



59, 86.885, 343.646



89, 69.017, 93.446



50, 7.179, 336.215



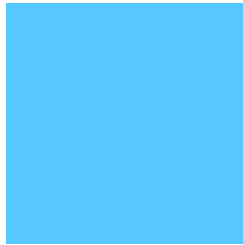
42, 72.911, 347.308



11, 34.380, 344.302

Previews

White Background



This preview shows how the CIELCh color 76, 39.933, 247.636 looks on a white background.

Color Contrast Check

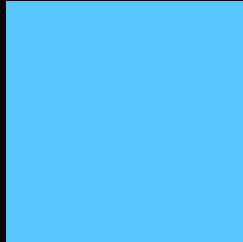
Large Text (above 18pt) WCAG AA × Fail

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 76, 39.933, 247.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

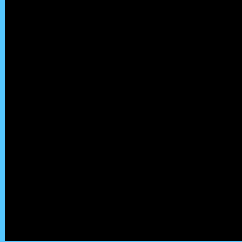
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

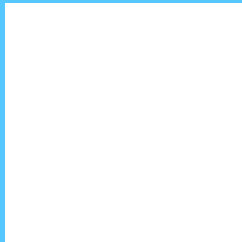
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 39.933, 247.636

Background



This preview shows how black text looks on a background with the CIELCh color 76, 39.933, 247.636.

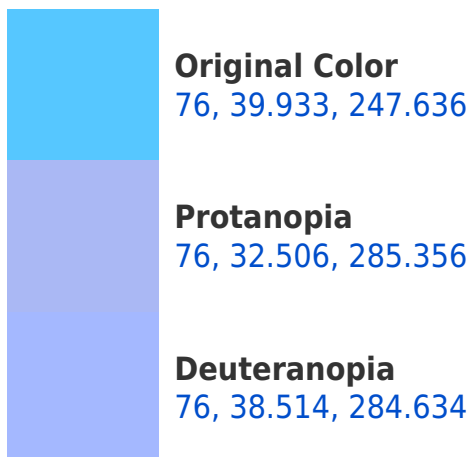


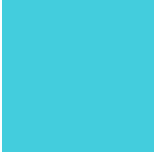
This preview shows how white text looks on a background with the CIELCh color 76, 39.933, 247.636.

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
76, 36.468, 210.807

Trichromacy



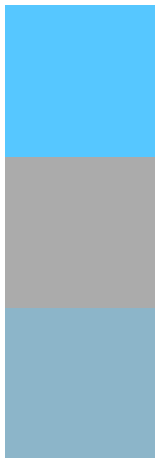
Original Color
76, 39.933, 247.636

Protanomaly
75, 34.351, 267.804

Deuteranomaly
75, 37.919, 269.876

Tritanomaly
76, 36.024, 224.269

Monochromacy



Original Color
76, 39.933, 247.636

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 17.117, 238.418

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 39.933, 247.636 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(86, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(86, 199, 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(86, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 199, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 39.933, 247.636 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(86, 199, 255) }
```

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

```
.border{ border-color:rgb(86, 199, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(86, 199,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 39.933, 247.636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 199, 255) }
```

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

```
.background{ background-color: rgb(86, 199,  
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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