

Converting Colors

CIELCh(76, 38.819, 253.184)

Have a look what the booklet for
CIELCh(76, 38.819, 253.184)
contains.

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Color

CIELCh(76, 38.696, 252.736)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 66C5FF |
| RGB | 102, 197, 255 |
| RGB Percent | 40%, 77%, 100% |
| CMY | 0.6007, 0.2280, 0.0006 |
| CMYK | 0.60, 0.23, 0.00, 0.00 |
| HSL | 203°, 100%, 70% |
| HSV | 203°, 60%, 100% |
| XYZ | 43.4150, 49.8872, 101.8120 |
| YIQ | 175.2070, -75.2380, -2.1020 |

Conversions

Conversions Part 2

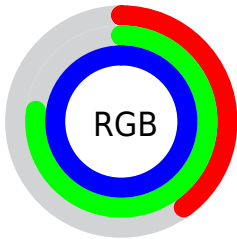
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 102, 161, 255 |
| Decimal | 6735359 |
| CIELab | 76.00, -11.48, -36.95 |
| CIELCh | 76, 38.696, 252.736 |
| Yxy | 49.8872, 0.2225, 0.2557 |
| Android (android.graphics.Color) | 4284925439 (0xFF66C5FF) |
| YUV | 175.2070, 39.3379, -64.2025 |
| Hunter-Lab | 70.6309, -13.8847, -36.0229 |

Details

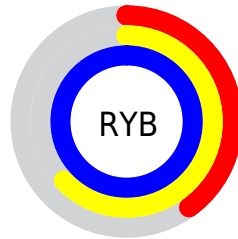
The CIELCh color **76, 38.696, 252.736** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 53.761, 56.126**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.023, 198.752**, and **56, 38.795, 253.029** is the 20% darker color. If you saturate the color by 10%, you get **72, 43.731, 256.314**, and if you desaturate by 10%, it is **80, 33.223, 249.766**.

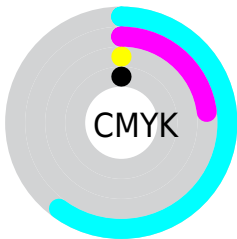
Distribution



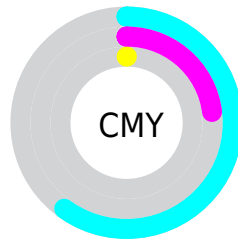
- Red (40%)
- Green (77%)
- Blue (100%)



- Red (40%)
- Yellow (63%)
- Blue (100%)



- Cyan (60%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (60%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.696, 252.736 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, 38.696, 252.736 by changing the saturation by 10% instead.


 76, 38.696,
252.736

 76, 38.696,
252.736


 100, 38.696,
252.736


 66, 38.696,
252.736


 96, 38.696,
252.736

 56, 38.696,
252.736

 46, 38.696,
252.736

 36, 38.696,
252.736

 26, 38.696,
252.736

 16, 38.696,
252.736

 6, 38.696, 252.736

■ 0, 38.696, 252.736

■ 76, 38.696,
252.736

■ 76, 38.696,
252.736

■ 72, 43.731,
256.314

■ 80, 33.223,
249.766

■ 69, 48.404,
260.528

■ 84, 27.303,
247.334

■ 66, 52.863,
265.326

■ 87, 20.967,
245.357

■ 63, 57.318,
270.438

■ 92, 14.268,
243.759

■ 96, 7.270, 242.485

100, 0.038,
256.022

100, 0.070,
109.070

Harmonies

Complementary

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



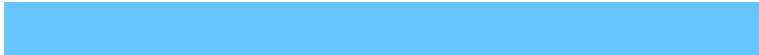
76, 38.696, 252.736



74, 53.761, 56.126

Rectangle

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



76, 38.696, 252.736



76, 38.696, 302.736



76, 38.696, 72.736



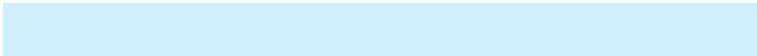
76, 38.696, 122.736

Sweetspot

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



76, 38.695, 252.736



92, 12.868, 243.473



90, 70.399, 150.645



48, 8.895, 243.884



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, 38.695, 252.736



72, 44.694, 257.090



56, 75.372, 294.691



51, 4.122, 242.426



48, 45.588, 269.475



15, 19.230, 262.224

Inverse Universe

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



66, 70.603, 343.436



61, 80.180, 345.255



92, 65.782, 97.408



50, 6.939, 338.339



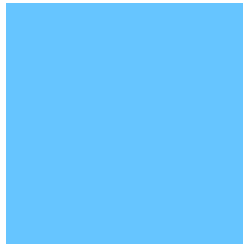
42, 71.052, 351.188



11, 33.498, 347.486

Previews

White Background



This preview shows how the CIELCh color 76, 38.696, 252.736 looks on a white background.

Color Contrast Check

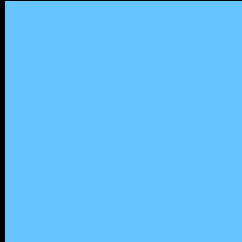
Large Text (above 18pt) WCAG AA × Fail

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, 38.696, 252.736 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

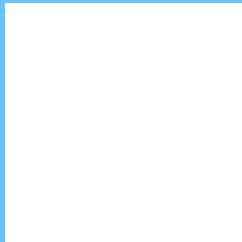
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 38.696, 252.736

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.696, 252.736.

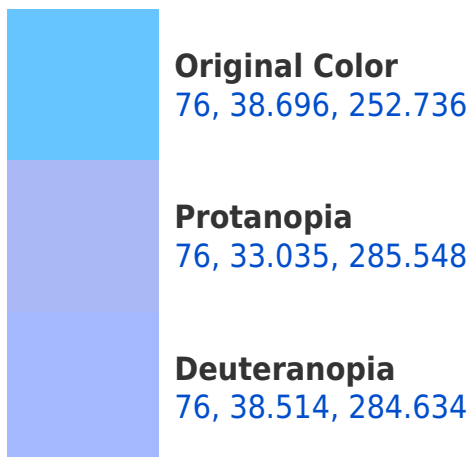


This preview shows how white text looks on a background with the CIELCh color 76, 38.696, 252.736.

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, 33.254, 213.378

Trichromacy



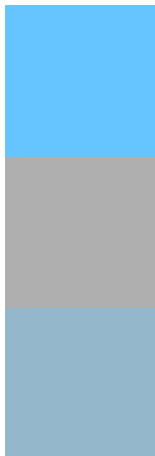
Original Color
76, 38.696, 252.736

Protanomaly
76, 34.269, 270.745

Deuteranomaly
76, 37.501, 271.691

Tritanomaly
76, 33.428, 228.957

Monochromacy



Original Color
76, 38.696, 252.736

Achromatopsia
71, 0.009, 296.813

Achromatomaly
73, 16.061, 244.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.696, 252.736 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(102, 197, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 197, 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(102, 197, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 197, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.696, 252.736 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(102, 197, 255) }
```

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

```
.border{ border-color:rgb(102, 197, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 197, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 197, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 197, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 197,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.696, 252.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 197, 255) }
```

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

```
.background{ background-color: rgb(102,  
197, 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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