

Converting Colors

CIELCh(76, 38.571, 249.088)

Have a look what the booklet for
CIELCh(76, 38.571, 249.088)
contains.

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Color

CIELCh(76, 38.536, 248.940)

Conversions

Conversions Part 1

Format	Color
Hex	5FC6FD
RGB	95, 198, 253
RGB Percent	37%, 78%, 99%
CMY	0.6276, 0.2237, 0.0080
CMYK	0.62, 0.22, 0.00, 0.01
HSL	201°, 97%, 68%
HSV	201°, 62%, 99%
XYZ	42.6204, 49.8872, 100.2727
YIQ	173.4730, -79.0430, -4.7310

Conversions

Conversions Part 2

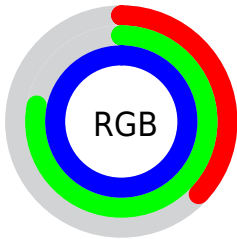
Format	Color
R_{YB}	95, 157, 253
Decimal	6276861
CIE _{Lab}	76.00, -13.85, -35.96
CIE _{LCh}	76, 38.536, 248.940
Yxy	49.8872, 0.2211, 0.2588
Android (android.graphics.Color)	4284466941 (0xFF5FC6FD)
YUV	173.4730, 39.2068, -68.8208
Hunter-Lab	70.6309, -15.8929, -34.7307

Details

The CIELCh color **76, 38.536, 248.940** 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 **72, 56.433, 53.112**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **56, 38.274, 249.591** is the 20% darker color. If you saturate the color by 10%, you get **73, 42.993, 252.547**, and if you desaturate by 10%, it is **79, 33.561, 245.967**.

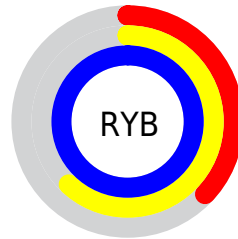
Distribution



Red (37%)

Green (78%)

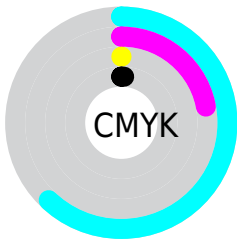
Blue (99%)



Red (37%)

Yellow (62%)

Blue (99%)

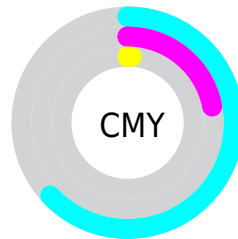


Cyan (62%)

Magenta (22%)

Yellow (0%)

Black (1%)



Cyan (63%)


Magenta (22%)


Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.536, 248.940 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, 38.536, 248.940 by changing the saturation by 10% instead.


 76, 38.536,
248.940


 76, 38.536,
248.940


 100, 38.536,
248.940


 66, 38.536,
248.940


 96, 38.536,
248.940

 56, 38.536,
248.940

 46, 38.536,
248.940

 36, 38.536,
248.940

 26, 38.536,
248.940

 16, 38.536,
248.940

 6, 38.536, 248.940

0, 38.536, 248.940

76, 38.536,
248.940

76, 38.536,
248.940

73, 42.993,
252.547

79, 33.561,
245.967

70, 47.018,
256.822

83, 28.060,
243.552

67, 50.771,
261.711

87, 22.066,
241.608

65, 53.586,
265.622

90, 15.640,
240.052

94, 8.855, 238.821

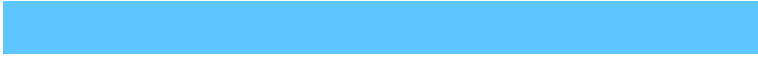
98, 1.782, 238.062

100, 1.026,

Harmonies

Complementary

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



76, 38.536, 248.940



72, 56.433, 53.112

Rectangle

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



76, 38.536, 248.940



76, 38.536, 298.940



76, 38.536, 68.940



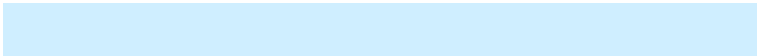
76, 38.536, 118.940

Sweetspot

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



76, 38.535, 248.940



92, 13.416, 239.592



89, 74.400, 148.932



48, 9.177, 239.971



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, 38.535, 248.940



73, 44.334, 253.583



55, 75.044, 293.800



51, 4.089, 238.518



50, 42.944, 264.668



15, 18.349, 257.406

Inverse Universe

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



64, 73.698, 342.046



60, 83.480, 343.862



90, 65.962, 95.034



50, 7.093, 336.950



42, 72.211, 348.648



11, 34.054, 345.402

Previews

White Background



This preview shows how the CIELCh color 76, 38.536, 248.940 looks on a white background.

Color Contrast Check

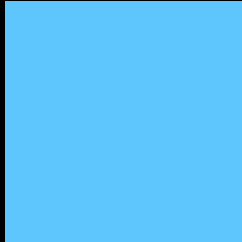
Large Text (above 18pt) WCAG AA × Fail

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, 38.536, 248.940 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

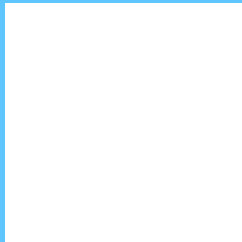
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 38.536, 248.940

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.536, 248.940.

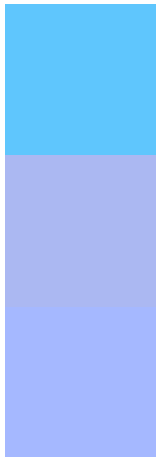


This preview shows how white text looks on a background with the CIELCh color 76, 38.536, 248.940.

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



Original Color

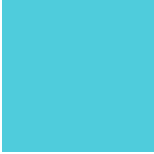
76, 38.536, 248.940

Protanopia

76, 31.414, 285.515

Deuteranopia

76, 38.479, 285.061



Tritanopia
76, 34.564, 211.710

Trichromacy



Original Color
76, 38.536, 248.940

Protanomaly
75, 33.024, 268.490

Deuteranomaly
76, 37.102, 270.908

Tritanomaly
76, 34.343, 225.823

Monochromacy



Original Color
76, 38.536, 248.940

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 16.183, 241.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.536, 248.940 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(95, 198, 253)` looks like.

```
.text, #text, p{  
    color:rgb(95, 198, 253)  
}
```

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(95, 198, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 198, 253) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.536, 248.940 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(95, 198, 253) }
```

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

```
.border{ border-color:rgb(95, 198, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 198, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 198, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 198, 253);  
box-shadow:4px 4px 4px 4px rgb(95, 198,  
253) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.536, 248.940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 198, 253) }
```

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

```
.background{ background-color: rgb(95, 198,  
253) }
```

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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