

Converting Colors

CIELCh(79, 73.507, 283.503)

Have a look what the booklet for
CIELCh(79, 73.507, 283.503)
contains.

CIELCh(76, 38.046, 260.879)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 38.046, 260.879)

Conversions

Conversions Part 1

Format	Color
Hex	78C2FF
RGB	120, 194, 255
RGB Percent	47%, 76%, 100%
CMY	0.5289, 0.2391, 0.0000
CMYK	0.53, 0.24, 0.00, 0.00
HSL	207°, 100%, 74%
HSV	207°, 53%, 100%
XYZ	45.2856, 49.8872, 102.7713
YIQ	178.8280, -63.6850, 3.2830

Conversions

Conversions Part 2

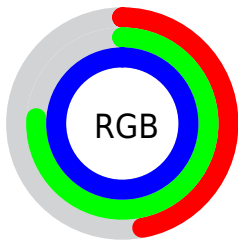
Format	Color
RYB	120, 168, 255
Decimal	7914239
CIELab	76.00, -6.03, -37.56
CIELCh	76, 38.046, 260.879
Yxy	49.8872, 0.2288, 0.2520
Android (android.graphics.Color)	4286104319 (0xFF78C2FF)
YUV	178.8280, 37.5528, -51.5922
Hunter-Lab	70.6309, -9.1572, -36.8281

Details

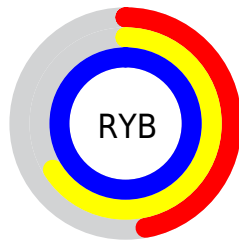
The CIELCh color **76, 38.046, 260.879** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **79, 46.244, 63.950**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 22.716, 204.588**, and **56, 37.481, 259.783** is the 20% darker color. If you saturate the color by 10%, you get **72, 43.951, 263.556**, and if you desaturate by 10%, it is **80, 30.969, 257.515**.

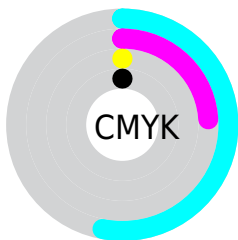
Distribution



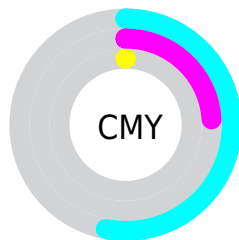
- Red (47%)
- Green (76%)
- Blue (100%)



- Red (47%)
- Yellow (66%)
- Blue (100%)



- Cyan (53%)
- Magenta (24%)
- Yellow (0%)
- Black (0%)





- Cyan (53%)
- Magenta (24%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.046, 260.879 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, 38.046, 260.879 by changing the saturation by 10% instead.


 76, 38.046,
260.879


 76, 38.046,
260.879


 100, 38.046,
260.879


 66, 38.046,
260.879


 96, 38.046,
260.879

 56, 38.046,
260.879

 46, 38.046,
260.879

 36, 38.046,
260.879

 26, 38.046,
260.879

 16, 38.046,
260.879

 6, 38.046, 260.879

0, 38.046, 260.879

76, 38.046,
260.879

76, 38.046,
260.879

72, 43.951,
263.556

80, 30.969,
257.515

68, 50.109,
267.396

85, 24.089,
255.221

64, 56.165,
271.762

89, 16.973,
253.323

60, 62.266,
276.528

94, 9.659, 251.761

58, 66.735,
279.967

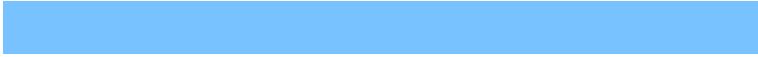
99, 2.191, 250.612

100, 0.012,
296.813

Harmonies

Complementary

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



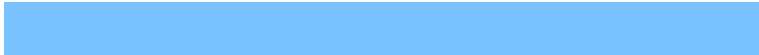
76, 38.046, 260.879



79, 46.244, 63.950

Rectangle

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



76, 38.046, 260.879



76, 38.046, 310.879



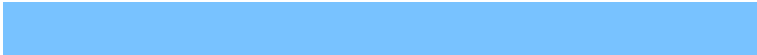
76, 38.046, 80.879



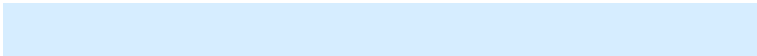
76, 38.046, 130.879

Sweetspot

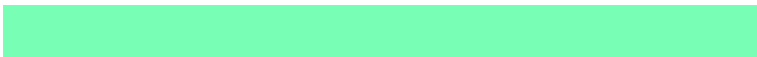
The Sweet Spot groups the original color and five complimentary colors.



76, 37.588, 260.273



93, 11.951, 252.213



91, 58.716, 155.415



48, 8.052, 252.528



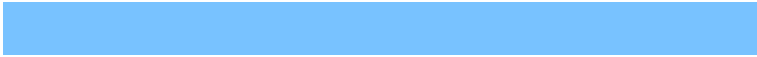
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 37.588, 260.273



72, 44.018, 263.595



58, 72.355, 296.395



51, 4.274, 251.305



44, 52.893, 279.070



13, 21.774, 272.162

Inverse Universe

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



68, 60.932, 346.633



64, 70.423, 348.253



96, 62.963, 102.755



50, 6.594, 341.879



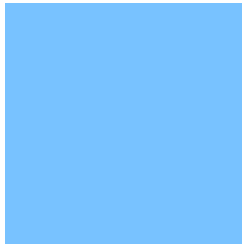
41, 69.004, 357.623



11, 32.402, 352.781

Previews

White Background



This preview shows how the CIELCh color 76, 38.046, 260.879 looks on a white background.

Color Contrast Check

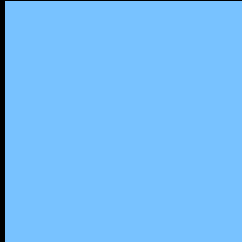
Large Text (above 18pt) WCAG AA × Fail

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, 38.046, 260.879 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

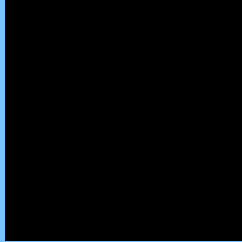
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

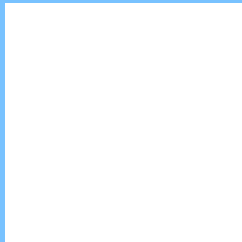
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 38.046, 260.879

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.046, 260.879.

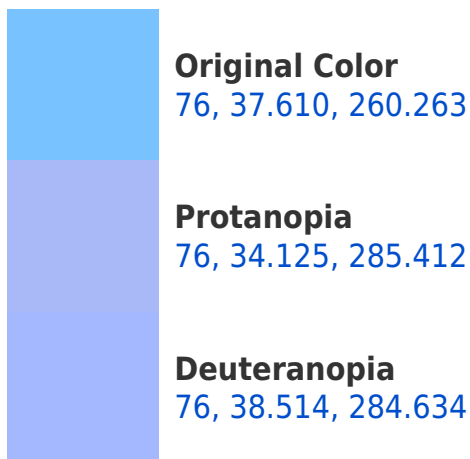


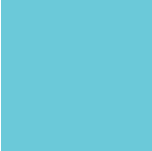
This preview shows how white text looks on a background with the CIELCh color 76, 38.046, 260.879.

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, 28.800, 215.100

Trichromacy



Original Color
76, 37.610, 260.263

Protanomaly
76, 34.703, 274.613

Deuteranomaly
76, 37.410, 275.176

Tritanomaly
76, 29.770, 234.977

Monochromacy



Original Color
76, 37.610, 260.263

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 15.019, 255.454

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.046, 260.879 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(120, 194, 255)` looks like.

```
.text, #text, p{  
    color:rgb(120, 194, 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(120, 194, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 194, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.046, 260.879 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(120, 194, 255) }
```

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

```
.border{ border-color:rgb(120, 194, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 194, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 194, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 194, 255);  
box-shadow:4px 4px 4px 4px rgb(120, 194,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.046, 260.879 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 194, 255) }
```

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

```
.background{ background-color: rgb(120,  
194, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor