

Converting Colors

CIELCh(76, 38.032, 254.173)

Have a look what the booklet for
CIELCh(76, 38.032, 254.173)
contains.

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Color

CIELCh(76, 38.038, 254.241)

Conversions

Conversions Part 1

Format	Color
Hex	6BC4FE
RGB	107, 196, 254
RGB Percent	42%, 77%, 100%
CMY	0.5794, 0.2305, 0.0030
CMYK	0.58, 0.23, 0.00, 0.00
HSL	204°, 99%, 71%
HSV	204°, 58%, 100%
XYZ	43.8062, 49.8872, 101.2751
YIQ	176.0010, -71.6620, -0.8300

Conversions

Conversions Part 2

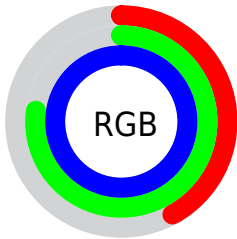
Format	Color
R _Y B	107, 162, 254
Decimal	7062782
CIE Lab	76.00, -10.33, -36.61
CIE LCh	76, 38.038, 254.241
Yxy	49.8872, 0.2247, 0.2559
Android (android.graphics.Color)	4285252862 (0xFF6BC4FE)
YUV	176.0010, 38.4535, -60.5139
Hunter-Lab	70.6309, -12.8960, -35.5722

Details

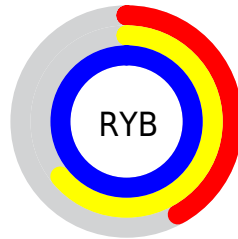
The CIELCh color **76, 38.038, 254.241** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **76, 51.186, 57.803**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 26.640, 200.009**, and **56, 38.109, 254.660** is the 20% darker color. If you saturate the color by 10%, you get **72, 43.380, 257.724**, and if you desaturate by 10%, it is **80, 32.296, 251.344**.

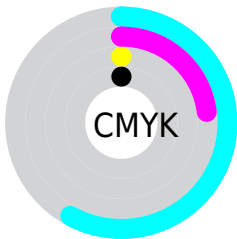
Distribution



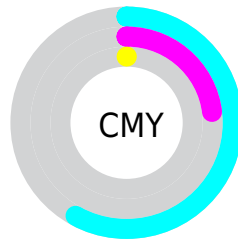
- Red (42%)
- Green (77%)
- Blue (100%)



- Red (42%)
- Yellow (64%)
- Blue (100%)



- Cyan (58%)
- Magenta (23%)
- Yellow (0%)
- Black (0%)





- Cyan (58%)
- Magenta (23%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 38.038, 254.241 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, 38.038, 254.241 by changing the saturation by 10% instead.


 76, 38.038,
254.241


 76, 38.038,
254.241


 100, 38.038,
254.241


 66, 38.038,
254.241


 96, 38.038,
254.241

 56, 38.038,
254.241

 46, 38.038,
254.241

 36, 38.038,
254.241

 26, 38.038,
254.241

 16, 38.038,
254.241

 6, 38.038, 254.241

■ 0, 38.038, 254.241

■ 76, 38.038,
254.241

■ 76, 38.038,
254.241

■ 72, 43.380,
257.724

■ 80, 32.296,
251.344

■ 69, 48.388,
261.827

■ 84, 26.151,
248.965

■ 66, 53.194,
266.507

■ 88, 19.634,
247.024

■ 63, 57.991,
271.593

■ 92, 12.796,
245.448

■ 62, 59.076,
272.684

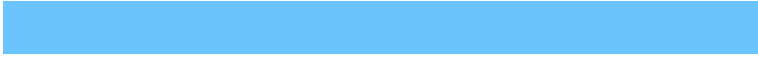
■ 96, 5.697, 244.198

100, 0.381,
109.946

Harmonies

Complementary

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



76, 38.038, 254.241



76, 51.186, 57.803

Rectangle

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



76, 38.038, 254.241



76, 38.038, 304.241



76, 38.038, 74.241



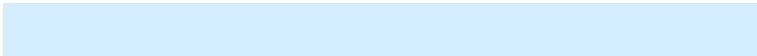
76, 38.038, 124.241

Sweetspot

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



76, 38.037, 254.241



93, 12.258, 245.334



90, 67.053, 151.689



49, 8.173, 245.620



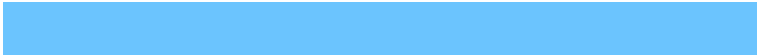
0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 38.037, 254.241



72, 44.097, 258.183



57, 73.626, 294.853



51, 4.146, 244.384



47, 47.042, 271.740



14, 19.725, 264.531

Inverse Universe

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



66, 67.733, 344.013



62, 77.419, 345.714



93, 64.351, 98.644



50, 6.863, 339.069



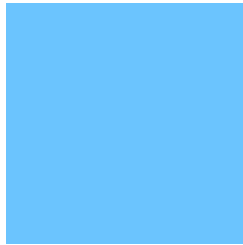
42, 70.527, 352.521



11, 33.236, 348.581

Previews

White Background



This preview shows how the CIELCh color 76, 38.038, 254.241 looks on a white background.

Color Contrast Check

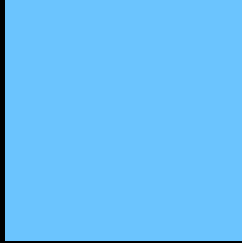
Large Text (above 18pt) WCAG AA × Fail

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, 38.038, 254.241 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

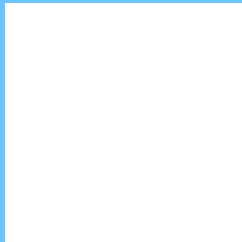
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 38.038, 254.241

Background



This preview shows how black text looks on a background with the CIELCh color 76, 38.038, 254.241.

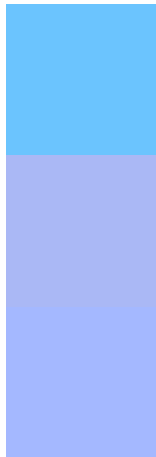


This preview shows how white text looks on a background with the CIELCh color 76, 38.038, 254.241.

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

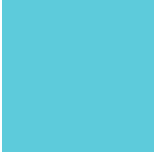
76, 38.038, 254.241

Protanopia

76, 33.035, 285.548

Deuteranopia

76, 38.514, 284.634



Tritanopia
76, 31.990, 213.080

Trichromacy



Original Color
76, 38.038, 254.241

Protanomaly
75, 34.036, 272.069

Deuteranomaly
75, 37.779, 273.248

Tritanomaly
76, 32.299, 229.087

Monochromacy



Original Color
76, 38.038, 254.241

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 15.415, 246.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 38.038, 254.241 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(107, 196, 254)` looks like.

```
.text, #text, p{  
    color:rgb(107, 196, 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(107, 196, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 196, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 38.038, 254.241 is called "border". The border property can be set on classes, ids or directly on the HTML element.

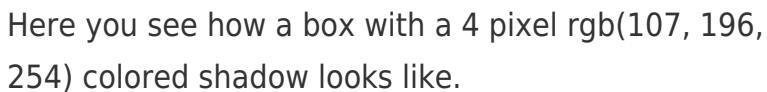
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(107, 196, 254) }
```

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

```
.border{ border-color:rgb(107, 196, 254) }
```

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



Here you see how a box with a 4 pixel `rgb(107, 196, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 196, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 196, 254);  
box-shadow:4px 4px 4px 4px rgb(107, 196,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 38.038, 254.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 196, 254) }
```

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

```
.background{ background-color: rgb(107,  
196, 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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