

Converting Colors

CIELCh(76, 40.898, 247.595)

Have a look what the booklet for
CIELCh(76, 40.898, 247.595)
contains.

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Color

CIELCh(76, 40.525, 246.638)

Conversions

Conversions Part 1

Format	Color
Hex	50C7FF
RGB	80, 199, 255
RGB Percent	31%, 78%, 100%
CMY	0.6852, 0.2188, 0.0000
CMYK	0.69, 0.22, 0.00, 0.00
HSL	199°, 100%, 66%
HSV	199°, 69%, 100%
XYZ	41.8823, 49.8872, 102.2030
YIQ	169.8030, -88.9000, -7.8120

Conversions

Conversions Part 2

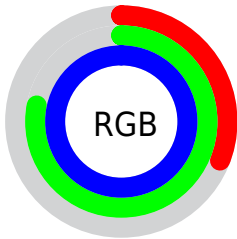
Format	Color
R _{YB}	80, 151, 255
Decimal	5294079
CIE Lab	76.00, -16.07, -37.20
CIE LCh	76, 40.525, 246.638
Yxy	49.8872, 0.2159, 0.2572
Android (android.graphics.Color)	4283484159 (0xFF50C7FF)
YUV	169.8030, 42.0021, -78.7572
Hunter-Lab	70.6309, -17.7582, -36.3511

Details

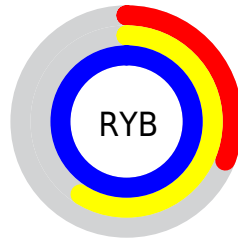
The CIELCh color **76, 40.525, 246.638** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **69, 64.110, 50.384**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **56, 38.693, 250.105** is the 20% darker color. If you saturate the color by 10%, you get **73, 44.229, 250.356**, and if you desaturate by 10%, it is **79, 36.120, 243.315**.

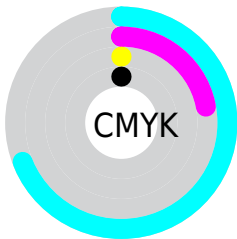
Distribution



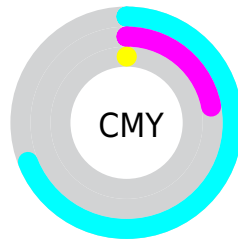
- Red (31%)
- Green (78%)
- Blue (100%)



- Red (31%)
- Yellow (59%)
- Blue (100%)



- Cyan (69%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (22%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 40.525, 246.638 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, 40.525, 246.638 by changing the saturation by 10% instead.


 76, 40.525,
246.638


 76, 40.525,
246.638


 100, 40.525,
246.638


 66, 40.525,
246.638


 96, 40.525,
246.638

 56, 40.525,
246.638

 46, 40.525,
246.638

 36, 40.525,
246.638

 26, 40.525,
246.638

 16, 40.525,
246.638

 6, 40.525, 246.638

■ 0, 40.525, 246.638

■ 76, 40.525,
246.638

■ 76, 40.525,
246.638

■ 73, 44.229,
250.356

■ 79, 36.120,
243.315

■ 70, 47.549,
254.901

■ 82, 31.168,
240.738

■ 68, 50.645,
260.002

■ 86, 25.624,
238.676

■ 68, 51.117,
260.755

■ 89, 19.548,
237.040

■ 93, 13.019,
235.751

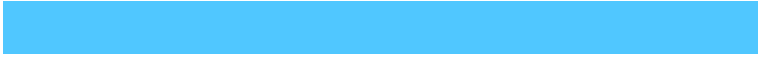
■ 97, 6.119, 234.768

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, 40.525, 246.638



69, 64.110, 50.384

Rectangle

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



76, 40.525, 246.638



76, 40.525, 296.638



76, 40.525, 66.638



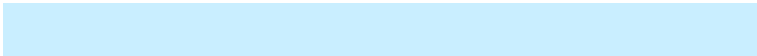
76, 40.525, 116.638

Sweetspot

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



76, 40.460, 246.498



92, 14.677, 236.041



89, 81.942, 147.289



48, 9.866, 236.387



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, 40.460, 246.498



72, 45.426, 251.863



53, 81.941, 294.719



51, 4.075, 234.849



52, 40.776, 259.778



16, 17.650, 252.615

Inverse Universe

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



63, 80.542, 341.268



59, 88.330, 343.246



89, 70.922, 93.179



50, 7.239, 335.714



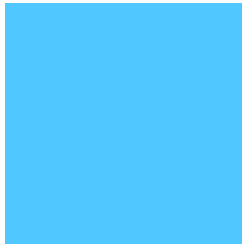
42, 73.426, 346.396



11, 34.615, 343.553

Previews

White Background



This preview shows how the CIELCh color 76, 40.525, 246.638 looks on a white background.

Color Contrast Check

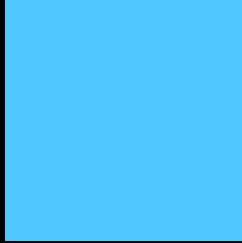
Large Text (above 18pt) WCAG AA × Fail

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, 40.525, 246.638 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

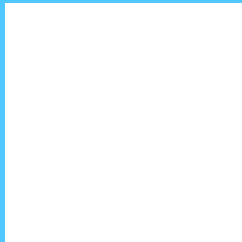
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 40.525, 246.638

Background



This preview shows how black text looks on a background with the CIELCh color 76, 40.525, 246.638.

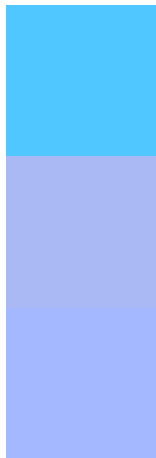


This preview shows how white text looks on a background with the CIELCh color 76, 40.525, 246.638.

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

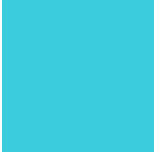
76, 40.525, 246.638

Protanopia

76, 31.976, 285.159

Deuteranopia

76, 38.551, 284.209



Tritanopia
76, 37.442, 211.255

Trichromacy



Original Color
76, 40.525, 246.638



Protanomaly
75, 33.706, 265.535



Deuteranomaly
75, 37.776, 267.989



Tritanomaly
76, 36.991, 224.419

Monochromacy



Original Color
76, 40.525, 246.638



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 17.820, 236.518

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 40.525, 246.638 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(80, 199, 255)` looks like.

```
.text, #text, p{  
    color:rgb(80, 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(80, 199, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 199, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 40.525, 246.638 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(80, 199, 255) }
```

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

```
.border{ border-color:rgb(80, 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(80, 199, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 199, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 199, 255);  
box-shadow:4px 4px 4px 4px rgb(80, 199,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 40.525, 246.638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 199, 255) }
```

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

```
.background{ background-color: rgb(80, 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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