

Converting Colors

CIELCh(77, 38.258, 241.113)

Have a look what the booklet for
CIELCh(77, 38.258, 241.113)
contains.

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Color

CIELCh(77, 38.198, 240.737)

Conversions

Conversions Part 1

Format	Color
Hex	55CBFB
RGB	85, 203, 251
RGB Percent	33%, 80%, 98%
CMY	0.6673, 0.2044, 0.0162
CMYK	0.66, 0.19, 0.00, 0.02
HSL	197°, 95%, 66%
HSV	197°, 66%, 98%
XYZ	42.4489, 51.5317, 98.8656
YIQ	173.1900, -85.7360, -10.0880

Conversions

Conversions Part 2

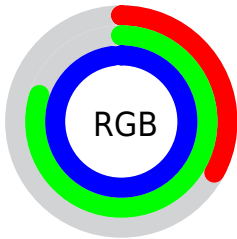
Format	Color
R_{YB}	85, 154, 251
Decimal	5622779
CIE _{Lab}	77.00, -18.67, -33.32
CIE _{LCh}	77, 38.198, 240.737
Yxy	51.5317, 0.2201, 0.2672
Android (android.graphics.Color)	4283812859 (0xFF55CBFB)
YUV	173.1900, 38.3603, -77.3426
Hunter-Lab	71.7856, -20.0725, -31.4062

Details

The CIELCh color **77, 38.198, 240.737** 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 **68, 61.425, 47.913**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.890, 197.456**, and **57, 36.601, 242.625** is the 20% darker color. If you saturate the color by 10%, you get **74, 41.662, 244.189**, and if you desaturate by 10%, it is **80, 34.060, 237.939**.

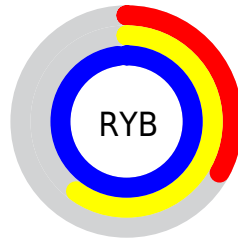
Distribution



Red (33%)

Green (80%)

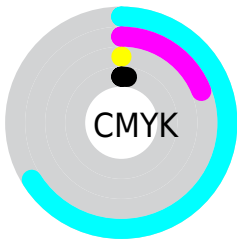
Blue (98%)



Red (33%)

Yellow (60%)

Blue (98%)

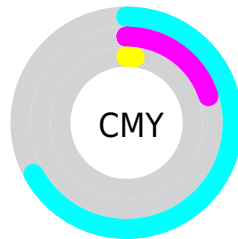


Cyan (66%)

Magenta (19%)

Yellow (0%)

Black (2%)



Cyan (67%)


Magenta (20%)

Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 38.198, 240.737 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 77, 38.198, 240.737 by changing the saturation by 10% instead.

 77, 38.198,
240.737

 77, 38.198,
240.737


 100, 38.198,
240.737


 67, 38.198,
240.737


 97, 38.198,
240.737

 57, 38.198,
240.737

 47, 38.198,
240.737

 37, 38.198,
240.737

 27, 38.198,
240.737

 17, 38.198,
240.737

 7, 38.198, 240.737

■ 0, 38.198, 240.737

■ 77, 38.198,
240.737

■ 77, 38.198,
240.737

■ 74, 41.662,
244.189

■ 80, 34.060,
237.939

■ 72, 44.543,
248.347

■ 83, 29.241,
235.709

■ 70, 47.023,
253.175

■ 86, 23.785,
233.951

■ 69, 47.957,
255.094

■ 89, 17.768,
232.577

■ 93, 11.278,
231.518

■ 96, 4.405, 230.762

100, 1.470, 91.059

100, 2.085,
109.985

Harmonies

Complementary

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



77, 38.198, 240.737



68, 61.425, 47.913

Rectangle

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



77, 38.198, 240.737



77, 38.198, 290.737



77, 38.198, 60.737



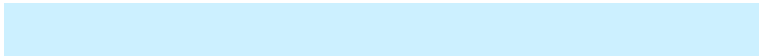
77, 38.198, 110.737

Sweetspot

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



77, 38.197, 240.737



93, 13.992, 231.891



88, 80.721, 146.475



49, 9.474, 232.190



0, 0.000, 0.000



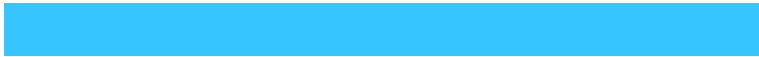
53, 0.007, 296.813

Same Dimension

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



77, 38.197, 240.737



75, 43.078, 245.318



55, 74.382, 292.355



50, 4.012, 230.970



53, 38.423, 254.133



16, 16.563, 246.873

Inverse Universe

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



63, 79.164, 339.376



60, 88.695, 340.977



87, 66.448, 91.141



49, 7.276, 334.463



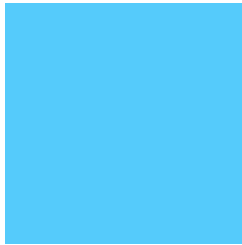
42, 74.109, 344.118



10, 34.365, 341.564

Previews

White Background



This preview shows how the CIE LCh color 77, 38.198, 240.737 looks on a white background.

Color Contrast Check

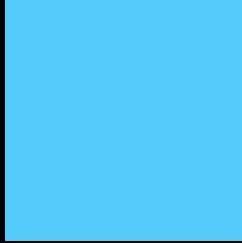
Large Text (above 18pt) WCAG AA × Fail

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 77, 38.198, 240.737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

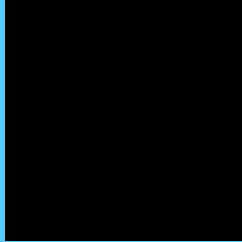
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

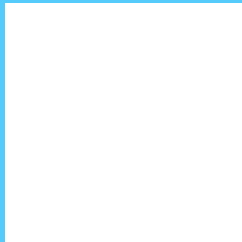
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 38.198, 240.737

Background



This preview shows how black text looks on a background with the CIELCh color 77, 38.198, 240.737.

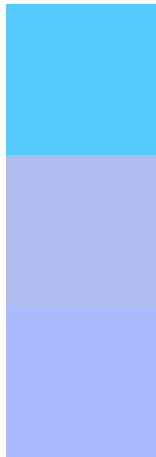


This preview shows how white text looks on a background with the CIELCh color 77, 38.198, 240.737.

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


77, 38.198, 240.737

Protanopia

77, 28.085, 285.468

Deuteranopia

77, 37.256, 285.972



Tritanopia
77, 36.618, 210.724

Trichromacy



Original Color
77, 38.198, 240.737



Protanomaly
76, 30.161, 262.674



Deuteranomaly
76, 35.498, 267.469



Tritanomaly
77, 36.182, 222.115

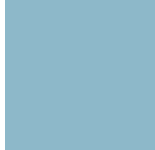
Monochromacy



Original Color
77, 38.198, 240.737



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 16.756, 232.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 38.198, 240.737 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(85, 203, 251)` looks like.

```
.text, #text, p{  
    color:rgb(85, 203, 251)  
}
```

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(85, 203, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 203, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 38.198, 240.737 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(85, 203, 251) }
```

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

```
.border{ border-color:rgb(85, 203, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 203, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 203, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 203, 251);  
box-shadow:4px 4px 4px 4px rgb(85, 203,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 38.198, 240.737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 203, 251) }
```

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

```
.background{ background-color: rgb(85, 203,  
251) }
```

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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