

Converting Colors

CIELCh(77, 39.465, 241.850)

Have a look what the booklet for
CIELCh(77, 39.465, 241.850)
contains.

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Color

CIELCh(77, 39.547, 242.165)

Conversions

Conversions Part 1

Format	Color
Hex	50CBFE
RGB	80, 203, 254
RGB Percent	31%, 80%, 100%
CMY	0.6866, 0.2042, 0.0042
CMYK	0.69, 0.20, 0.00, 0.00
HSL	198°, 99%, 65%
HSV	198°, 69%, 100%
XYZ	42.5177, 51.5317, 101.4108
YIQ	172.0370, -89.6790, -10.2150

Conversions

Conversions Part 2

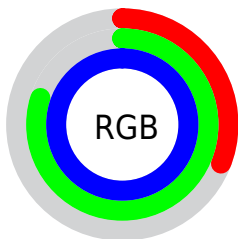
Format	Color
RYB	80, 152, 254
Decimal	5295102
CIELab	77.00, -18.47, -34.97
CIELCh	77, 39.547, 242.165
Yxy	51.5317, 0.2175, 0.2636
Android (android.graphics.Color)	4283485182 (0xFF50CBFE)
YUV	172.0370, 40.4078, -80.7164
Hunter-Lab	71.7856, -19.9015, -33.5084

Details

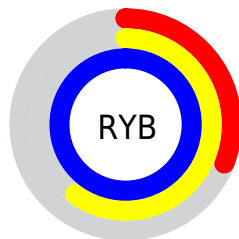
The CIELCh color **77, 39.547, 242.165** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **68, 64.603, 48.238**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.611, 197.412**, and **58, 37.460, 245.149** is the 20% darker color. If you saturate the color by 10%, you get **74, 42.943, 245.821**, and if you desaturate by 10%, it is **80, 35.496, 239.183**.

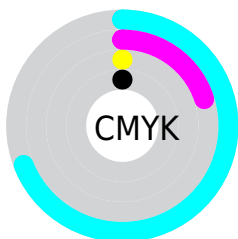
Distribution



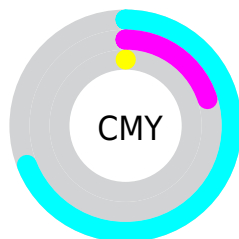
- Red (31%)
- Green (80%)
- Blue (100%)



- Red (31%)
- Yellow (60%)
- Blue (100%)



- Cyan (69%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (69%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 39.547, 242.165 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, 39.547, 242.165 by changing the saturation by 10% instead.


 77, 39.547,
242.165

 77, 39.547,
242.165


 100, 39.547,
242.165


 67, 39.547,
242.165


 97, 39.547,
242.165

 57, 39.547,
242.165

 47, 39.547,
242.165

 37, 39.547,
242.165

 27, 39.547,
242.165

 17, 39.547,
242.165

 7, 39.547, 242.165

■ 0, 39.547, 242.165

■ 77, 39.547,
242.165

■ 77, 39.547,
242.165

■ 74, 42.943,
245.821

■ 80, 35.496,
239.183

■ 72, 45.799,
250.184

■ 83, 30.764,
236.793

■ 70, 48.338,
255.155

■ 86, 25.382,
234.903

■ 69, 48.719,
255.891

■ 89, 19.420,
233.420

■ 93, 12.966,
232.268

■ 97, 6.108, 231.410

100, 0.532,
109.993

Harmonies

Complementary

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



77, 39.547, 242.165



68, 64.603, 48.238

Rectangle

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



77, 39.547, 242.165



77, 39.547, 292.165



77, 39.547, 62.165



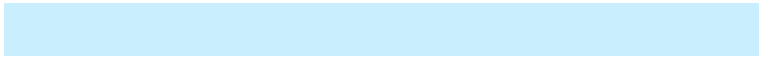
77, 39.547, 112.165

Sweetspot

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



77, 39.546, 242.165



92, 14.652, 232.526



89, 83.855, 146.079



48, 9.843, 232.834



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, 39.546, 242.165



74, 44.133, 247.264



54, 78.094, 293.066



51, 4.077, 231.479



53, 39.060, 254.942



17, 17.119, 247.982

Inverse Universe

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



63, 81.607, 339.857



59, 89.780, 341.638



87, 69.111, 90.820



50, 7.377, 334.626



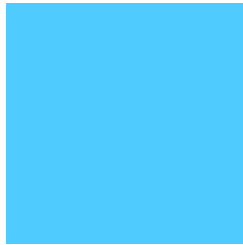
43, 74.648, 344.427



11, 35.162, 341.931

Previews

White Background



This preview shows how the CIELCh color 77, 39.547, 242.165 looks on a white background.

Color Contrast Check

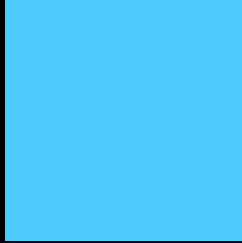
Large Text (above 18pt) WCAG AA × Fail

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, 39.547, 242.165 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

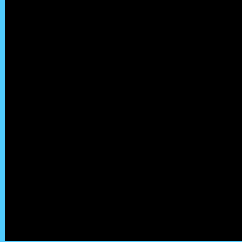
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

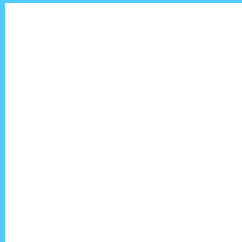
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 39.547, 242.165

Background



This preview shows how black text looks on a background with the CIELCh color 77, 39.547, 242.165.

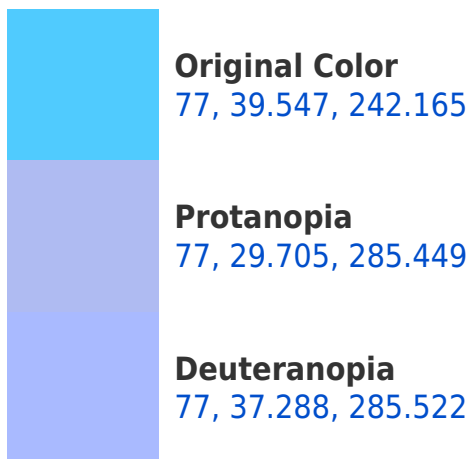


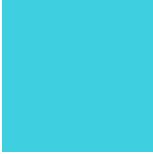
This preview shows how white text looks on a background with the CIELCh color 77, 39.547, 242.165.

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
77, 37.621, 211.156

Trichromacy



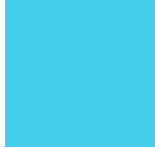
Original Color
77, 39.547, 242.165



Protanomaly
76, 31.843, 263.168



Deuteranomaly
76, 36.615, 267.676



Tritanomaly
77, 37.135, 223.273

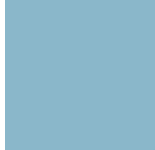
Monochromacy



Original Color
77, 39.547, 242.165



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 17.527, 234.908

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 39.547, 242.165 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, 203, 254)` looks like.

```
.text, #text, p{  
    color:rgb(80, 203, 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(80, 203, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 203, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 39.547, 242.165 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, 203, 254) }
```

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

```
.border{ border-color:rgb(80, 203, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 203, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 203, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 203, 254);  
box-shadow:4px 4px 4px 4px rgb(80, 203,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 39.547, 242.165 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 203, 254) }
```

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

```
.background{ background-color: rgb(80, 203,  
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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