

Converting Colors

CIELCh(77, 40.764, 242.371)

Have a look what the booklet for
CIELCh(77, 40.764, 242.371)
contains.

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Color

CIELCh(77, 40.507, 241.892)

Conversions

Conversions Part 1

Format	Color
Hex	49CBFF
RGB	73, 203, 255
RGB Percent	29%, 80%, 100%
CMY	0.7120, 0.2027, 0.0000
CMYK	0.71, 0.20, 0.00, 0.00
HSL	197°, 100%, 64%
HSV	197°, 71%, 100%
XYZ	42.3117, 51.5317, 102.5967
YIQ	170.0580, -94.1720, -11.3880

Conversions

Conversions Part 2

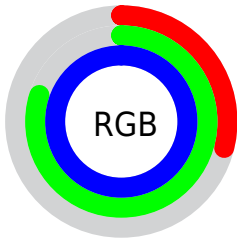
Format	Color
RYB	73, 149, 255
Decimal	4836351
CIELab	77.00, -19.08, -35.73
CIELCh	77, 40.507, 241.892
Yxy	51.5317, 0.2154, 0.2623
Android (android.graphics.Color)	4283026431 (0xFF49CBFF)
YUV	170.0580, 41.8764, -85.1199
Hunter-Lab	71.7856, -20.4138, -34.4879

Details

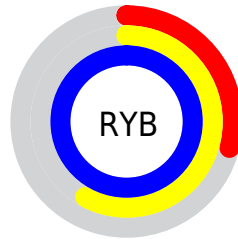
The CIELCh color **77, 40.507, 241.892** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **67, 68.132, 47.594**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **58, 37.760, 245.965** is the 20% darker color. If you saturate the color by 10%, you get **74, 43.554, 245.433**, and if you desaturate by 10%, it is **80, 36.623, 238.577**.

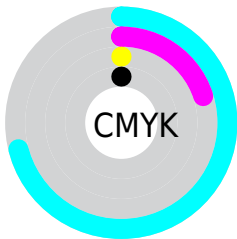
Distribution



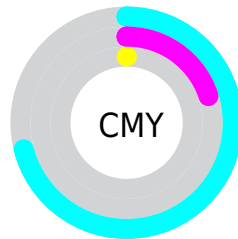
- Red (29%)
- Green (80%)
- Blue (100%)



- Red (29%)
- Yellow (58%)
- Blue (100%)



- Cyan (71%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (71%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 40.507, 241.892 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, 40.507, 241.892 by changing the saturation by 10% instead.


 77, 40.507,
241.892


 77, 40.507,
241.892


 100, 40.507,
241.892


 67, 40.507,
241.892


 97, 40.507,
241.892

 57, 40.507,
241.892

 47, 40.507,
241.892

 37, 40.507,
241.892

 27, 40.507,
241.892

 17, 40.507,
241.892

 7, 40.507, 241.892

■ 0, 40.507, 241.892

■ 77, 40.507,
241.892

■ 77, 40.507,
241.892

■ 74, 43.554,
245.433

■ 80, 36.623,
238.577

■ 72, 46.164,
249.911

■ 83, 32.120,
236.105

■ 70, 48.245,
254.296

■ 86, 26.931,
234.150

■ 89, 21.124,
232.619

■ 92, 14.784,
231.432

■ 96, 8.005, 230.536

100, 0.876,
230.441

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.



77, 40.507, 241.892



67, 68.132, 47.594

Rectangle

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



77, 40.507, 241.892



77, 40.507, 291.892



77, 40.507, 61.892



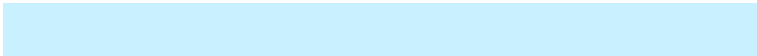
77, 40.507, 111.892

Sweetspot

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



77, 40.419, 241.661



93, 14.656, 231.412



89, 86.726, 145.623



48, 9.844, 231.708



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, 40.419, 241.661



73, 44.599, 247.055



52, 81.765, 293.877



51, 4.081, 230.414



54, 38.574, 253.343



17, 16.973, 246.471

Inverse Universe

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



62, 84.288, 339.736



59, 91.300, 341.584



87, 71.537, 90.458



50, 7.421, 334.289



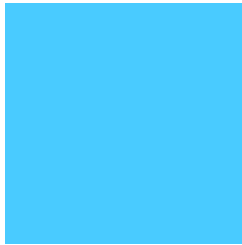
43, 75.055, 343.821



11, 35.342, 341.432

Previews

White Background



This preview shows how the CIELCh color 77, 40.507, 241.892 looks on a white background.

Color Contrast Check

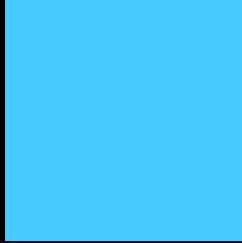
Large Text (above 18pt) WCAG AA × Fail

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, 40.507, 241.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

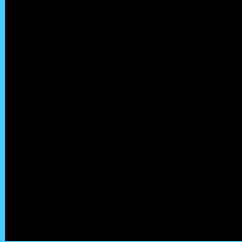
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

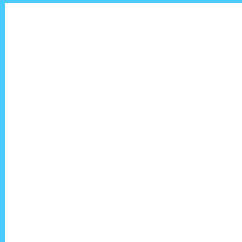
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 40.507, 241.892

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.507, 241.892.



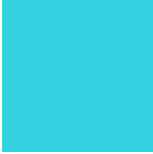
This preview shows how white text looks on a background with the CIELCh color 77, 40.507, 241.892.

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, 38.883, 209.766

Trichromacy



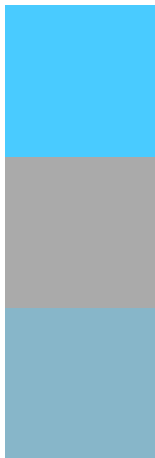
Original Color
77, 40.507, 241.892

Protanomaly
76, 32.630, 262.518

Deuteranomaly
76, 36.899, 266.605

Tritanomaly
77, 38.190, 221.505

Monochromacy



Original Color
77, 40.507, 241.892

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 18.262, 233.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.507, 241.892 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(73, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(73, 203, 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(73, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 203, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.507, 241.892 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(73, 203, 255) }
```

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

```
.border{ border-color:rgb(73, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(73, 203,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.507, 241.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 203, 255) }
```

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

```
.background{ background-color: rgb(73, 203,  
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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