

Converting Colors

CIELCh(77, 40.433, 226.800)

Have a look what the booklet for
CIELCh(77, 40.433, 226.800)
contains.

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Color

CIELCh(77, 40.507, 226.931)

Conversions

Conversions Part 1

Format	Color
Hex	2BCFF4
RGB	43, 207, 244
RGB Percent	17%, 81%, 96%
CMY	0.8333, 0.1891, 0.0441
CMYK	0.83, 0.15, 0.00, 0.04
HSL	191°, 90%, 56%
HSV	191°, 83%, 96%
XYZ	39.5235, 51.5317, 93.2600
YIQ	162.1820, -109.6210, -23.2610

Conversions

Conversions Part 2

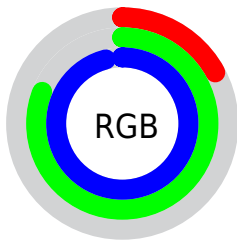
Format	Color
R _Y B	43, 133, 244
Decimal	2871284
CIE Lab	77.00, -27.66, -29.59
CIE LCh	77, 40.507, 226.931
Yxy	51.5317, 0.2144, 0.2796
Android (android.graphics.Color)	4281061364 (0xFF2BCFF4)
YUV	162.1820, 40.3363, -104.5226
Hunter-Lab	71.7856, -27.3468, -26.7764

Details

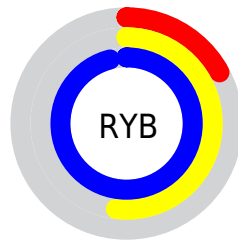
The CIELCh color **77, 40.507, 226.931** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **57, 82.036, 41.844**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.689, 197.109**, and **58, 34.813, 233.758** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.701, 230.059**, and if you desaturate by 10%, it is **79, 38.505, 224.406**.

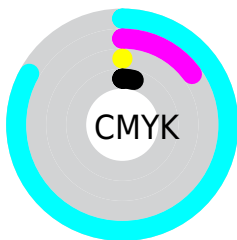
Distribution



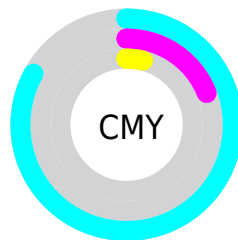
- Red (17%)
- Green (81%)
- Blue (96%)



- Red (17%)
- Yellow (52%)
- Blue (96%)



- Cyan (83%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)





- Cyan (83%)
- Magenta (19%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 40.507, 226.931 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, 226.931 by changing the saturation by 10% instead.


 77, 40.507,
226.931


 77, 40.507,
226.931


 100, 40.507,
226.931


 67, 40.507,
226.931


 97, 40.507,
226.931

 57, 40.507,
226.931

 47, 40.507,
226.931

 37, 40.507,
226.931

 27, 40.507,
226.931

 17, 40.507,
226.931

 7, 40.507, 226.931

■ 0, 40.507, 226.931

■ 77, 40.507,
226.931

■ 77, 40.507,
226.931

■ 75, 41.701,
230.059

■ 79, 38.505,
224.406

■ 74, 42.238,
232.726

■ 81, 35.603,
222.422

■ 83, 31.790,
220.900

■ 85, 27.117,
219.758

■ 87, 21.677,
218.927

■ 90, 15.580,
218.345

■ 93, 8.942, 217.976

■ 95, 1.871, 217.996

■ 98, 3.263, 50.653

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, 226.931



57, 82.036, 41.844

Rectangle

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



77, 40.507, 226.931



77, 40.507, 276.931



77, 40.507, 46.931



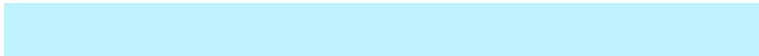
77, 40.507, 96.931

Sweetspot

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



77, 40.506, 226.931



93, 17.755, 218.470



85, 99.922, 140.614



49, 11.960, 218.668



0, 0.000, 0.000



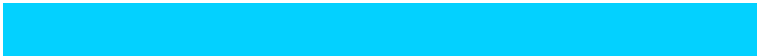
53, 0.007, 296.813

Same Dimension

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



77, 40.506, 226.931



78, 43.639, 232.460



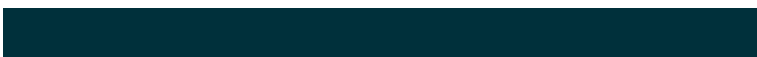
49, 80.223, 291.994



50, 4.093, 217.908



58, 34.469, 232.048



18, 15.282, 226.740

Inverse Universe

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



57, 93.459, 335.728



58, 99.859, 337.300



77, 73.328, 80.621



48, 7.711, 330.528



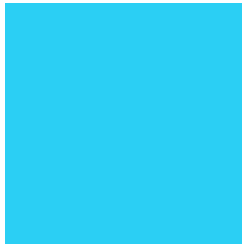
42, 79.065, 337.192



10, 35.808, 335.796

Previews

White Background



This preview shows how the CIE LCh color 77, 40.507, 226.931 looks on a white background.

Color Contrast Check

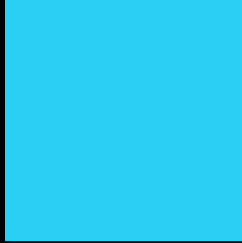
Large Text (above 18pt) WCAG AA × Fail

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, 226.931 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, 226.931

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.507, 226.931.

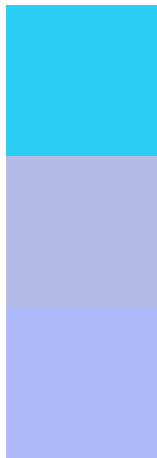


This preview shows how white text looks on a background with the CIELCh color 77, 40.507, 226.931.

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

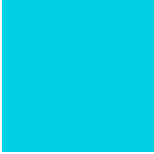
77, 40.507, 226.931

Protanopia

77, 23.216, 285.741

Deuteranopia

77, 33.972, 286.894



Tritanopia
77, 41.748, 209.465

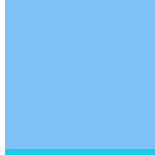
Trichromacy



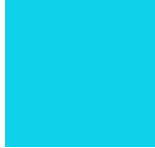
Original Color
77, 40.507, 226.931



Protanomaly
76, 28.610, 249.529



Deuteranomaly
76, 33.628, 257.354



Tritanomaly
77, 41.185, 215.298

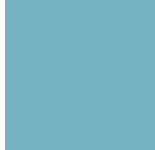
Monochromacy



Original Color
77, 40.507, 226.931



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 20.351, 220.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.507, 226.931 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(43, 207, 244)` looks like.

```
.text, #text, p{  
    color:rgb(43, 207, 244)  
}
```

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(43, 207, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 207, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.507, 226.931 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(43, 207, 244) }
```

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

```
.border{ border-color:rgb(43, 207, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 207, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 207, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 207, 244);  
box-shadow:4px 4px 4px 4px rgb(43, 207,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.507, 226.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 207, 244) }
```

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

```
.background{ background-color: rgb(43, 207,  
244) }
```

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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