

Converting Colors

CIELCh(77, 40.436, 227.897)

Have a look what the booklet for
CIELCh(77, 40.436, 227.897)
contains.

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Color

CIELCh(77, 40.506, 227.843)

Conversions

Conversions Part 1

Format	Color
Hex	2CCFF5
RGB	44, 207, 245
RGB Percent	17%, 81%, 96%
CMY	0.8268, 0.1898, 0.0409
CMYK	0.82, 0.16, 0.00, 0.04
HSL	191°, 91%, 57%
HSV	191°, 82%, 96%
XYZ	39.6747, 51.5317, 93.9034
YIQ	162.5950, -109.3460, -22.7380

Conversions

Conversions Part 2

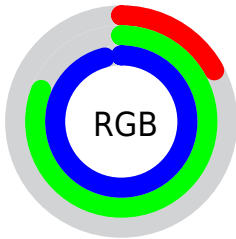
Format	Color
R _Y B	44, 134, 245
Decimal	2936821
CIE Lab	77.00, -27.19, -30.03
CIE LCh	77, 40.506, 227.843
Yxy	51.5317, 0.2143, 0.2784
Android (android.graphics.Color)	4281126901 (0xFF2CCFF5)
YUV	162.5950, 40.6257, -104.0078
Hunter-Lab	71.7856, -26.9709, -27.3078

Details

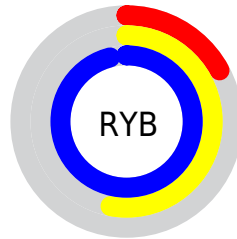
The CIELCh color **77, 40.506, 227.843** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 81.356, 42.068**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **58, 35.013, 234.710** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.794, 231.038**, and if you desaturate by 10%, it is **79, 38.414, 225.262**.

Distribution



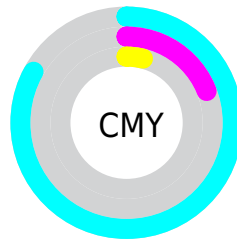
- Red (17%)
- Green (81%)
- Blue (96%)



- Red (17%)
- Yellow (53%)
- Blue (96%)



- Cyan (82%)
- Magenta (16%)
- Yellow (0%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 40.506, 227.843 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, 40.506, 227.843 by changing the saturation by 10% instead.

 77, 40.506,
227.843

 77, 40.506,
227.843

 100, 40.506,
227.843

 67, 40.506,
227.843

 97, 40.506,
227.843

 57, 40.506,
227.843

 47, 40.506,
227.843

 37, 40.506,
227.843

 27, 40.506,
227.843

 17, 40.506,
227.843

 7, 40.506, 227.843

■ 0, 40.506, 227.843

■ 77, 40.506,
227.843

■ 77, 40.506,
227.843

■ 75, 41.794,
231.038

■ 79, 38.414,
225.262

■ 74, 42.434,
234.008

■ 81, 35.429,
223.234

■ 83, 31.542,
221.674

■ 85, 26.808,
220.501

■ 88, 21.317,
219.642

■ 90, 15.181,
219.037

■ 93, 8.514, 218.648

■ 96, 1.423, 218.751

■ 98, 3.020, 58.233

Harmonies

Complementary

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



77, 40.506, 227.843



58, 81.356, 42.068

Rectangle

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



77, 40.506, 227.843



77, 40.506, 277.843



77, 40.506, 47.843



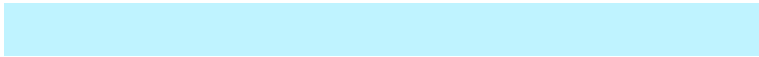
77, 40.506, 97.843

Sweetspot

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



77, 40.505, 227.843



93, 17.702, 219.201



85, 99.706, 140.711



48, 11.925, 219.412



0, 0.000, 0.000



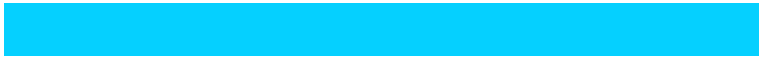
53, 0.007, 296.813

Same Dimension

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



77, 40.505, 227.843



77, 43.647, 233.350



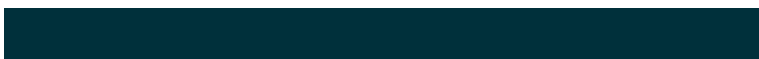
49, 79.781, 291.778



50, 4.080, 218.588



58, 34.531, 233.302



17, 15.281, 227.821

Inverse Universe

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



58, 93.074, 335.959



58, 99.395, 337.539



78, 73.149, 80.734



48, 7.680, 330.727



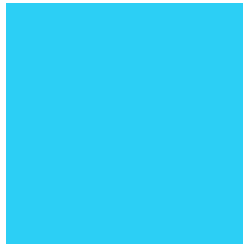
42, 78.726, 337.532



10, 35.672, 336.075

Previews

White Background



This preview shows how the CIE LCh color 77, 40.506, 227.843 looks on a white background.

Color Contrast Check

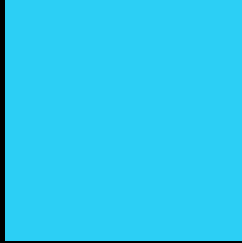
Large Text (above 18pt) WCAG AA × Fail

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, 40.506, 227.843 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, 40.506, 227.843

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.506, 227.843.

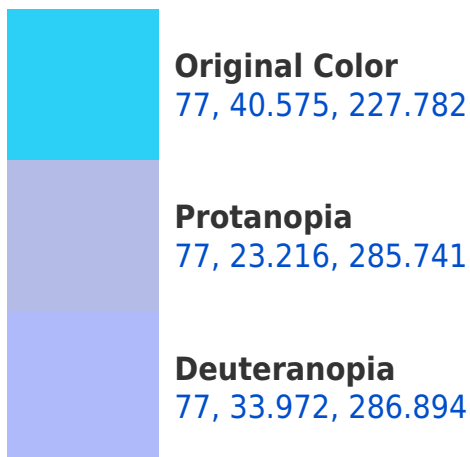


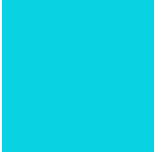
This preview shows how white text looks on a background with the CIELCh color 77, 40.506, 227.843.

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, 41.529, 209.547

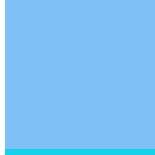
Trichromacy



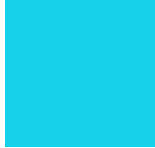
Original Color
77, 40.575, 227.782



Protanomaly
76, 28.452, 249.928



Deuteranomaly
76, 33.809, 258.746



Tritanomaly
77, 40.938, 215.428

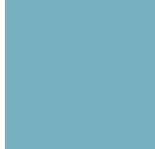
Monochromacy



Original Color
77, 40.575, 227.782



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, 40.506, 227.843 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(44, 207, 245)` looks like.

```
.text, #text, p{  
    color:rgb(44, 207, 245)  
}
```

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(44, 207, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 207, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.506, 227.843 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(44, 207, 245) }
```

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

```
.border{ border-color:rgb(44, 207, 245) }
```

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

Here you see how a box with a 4 pixel rgb(44, 207, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 207, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 207, 245);  
box-shadow:4px 4px 4px 4px rgb(44, 207,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.506, 227.843 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 207, 245) }
```

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

```
.background{ background-color: rgb(44, 207,  
245) }
```

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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