

Converting Colors

CIELCh(77, 40.281, 227.506)

Have a look what the booklet for
CIELCh(77, 40.281, 227.506)
contains.

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Color

CIELCh(77, 40.298, 227.112)

Conversions

Conversions Part 1

Format	Color
Hex	2DCFF4
RGB	45, 207, 244
RGB Percent	18%, 81%, 96%
CMY	0.8223, 0.1896, 0.0445
CMYK	0.81, 0.15, 0.00, 0.04
HSL	191°, 90%, 57%
HSV	191°, 81%, 96%
XYZ	39.5985, 51.5317, 93.1629
YIQ	162.7800, -108.4290, -22.8370

Conversions

Conversions Part 2

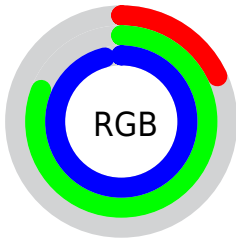
Format	Color
R _Y B	45, 134, 244
Decimal	3002356
CIE Lab	77.00, -27.43, -29.53
CIE LCh	77, 40.298, 227.112
Yxy	51.5317, 0.2149, 0.2796
Android (android.graphics.Color)	4281192436 (0xFF2DCFF4)
YUV	162.7800, 40.0415, -103.2931
Hunter-Lab	71.7856, -27.1603, -26.6963

Details

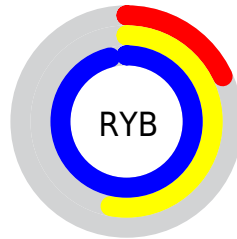
The CIELCh color **77, 40.298, 227.112** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 80.632, 41.853**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.485, 197.121**, and **58, 34.813, 233.758** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.598, 230.217**, and if you desaturate by 10%, it is **79, 38.181, 224.612**.

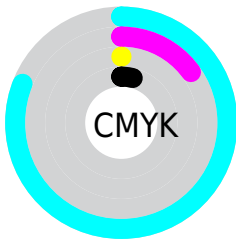
Distribution



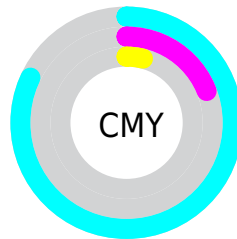
- Red (18%)
- Green (81%)
- Blue (96%)



- Red (18%)
- Yellow (53%)
- Blue (96%)



- Cyan (81%)
- Magenta (15%)
- Yellow (0%)
- Black (4%)





- Cyan (82%)
- Magenta (19%)
- Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 40.298, 227.112 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, 40.298, 227.112 by changing the saturation by 10% instead.


 77, 40.298,
227.112


 77, 40.298,
227.112


 100, 40.298,
227.112


 67, 40.298,
227.112

 97, 40.298,
227.112

 57, 40.298,
227.112

 47, 40.298,
227.112

 37, 40.298,
227.112

 27, 40.298,
227.112

 17, 40.298,
227.112

 7, 40.298, 227.112

■ 0, 40.298, 227.112

■ 77, 40.298,
227.112

■ 77, 40.298,
227.112

■ 75, 41.598,
230.217

■ 79, 38.181,
224.612

■ 74, 42.262,
233.323

■ 81, 35.165,
222.651

■ 83, 31.246,
221.148

■ 85, 26.482,
220.022

■ 87, 20.966,
219.201

■ 90, 14.810,
218.628

■ 93, 8.127, 218.269

■ 96, 1.026, 218.562

■ 98, 3.291, 56.468

Harmonies

Complementary

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



77, 40.298, 227.112



58, 80.632, 41.853

Rectangle

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



77, 40.298, 227.112



77, 40.298, 277.112



77, 40.298, 47.112



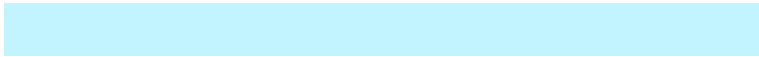
77, 40.298, 97.112

Sweetspot

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



77, 40.297, 227.112



93, 17.079, 218.759



85, 98.976, 140.802



49, 11.586, 218.959



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, 40.297, 227.112



78, 43.603, 232.684



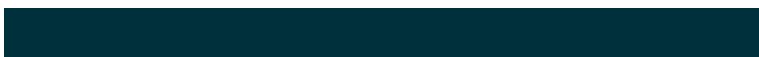
49, 78.952, 291.577



50, 4.087, 218.226



58, 34.496, 232.637



17, 15.281, 227.247

Inverse Universe

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



58, 92.755, 335.761



58, 99.623, 337.358



77, 72.591, 80.839



48, 7.696, 330.621



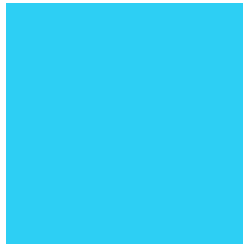
42, 78.906, 337.351



10, 35.744, 335.927

Previews

White Background



This preview shows how the CIE LCh color 77, 40.298, 227.112 looks on a white background.

Color Contrast Check

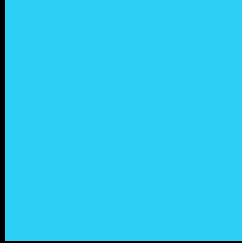
Large Text (above 18pt) WCAG AA × Fail

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, 40.298, 227.112 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, 40.298, 227.112

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.298, 227.112.

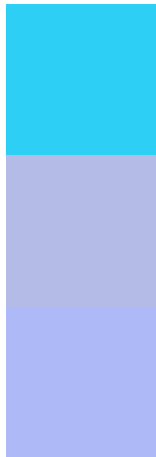


This preview shows how white text looks on a background with the CIELCh color 77, 40.298, 227.112.

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

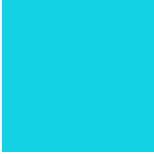
77, 40.369, 227.050

Protanopia

77, 23.216, 285.741

Deuteranopia

77, 33.442, 286.731



Tritanopia
77, 41.263, 209.647

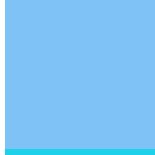
Trichromacy



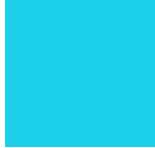
Original Color
77, 40.369, 227.050



Protanomaly
76, 28.452, 249.928



Deuteranomaly
76, 33.099, 257.049

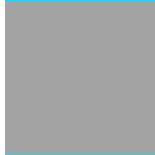


Tritanomaly
77, 40.666, 215.573

Monochromacy



Original Color
77, 40.369, 227.050



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 20.223, 218.818

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.298, 227.112 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(45, 207, 244)` looks like.

```
.text, #text, p{  
    color:rgb(45, 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(45, 207, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 207, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.298, 227.112 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(45, 207, 244) }
```

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

```
.border{ border-color:rgb(45, 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(45, 207, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 207, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 207, 244);  
box-shadow:4px 4px 4px 4px rgb(45, 207,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.298, 227.112 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 207, 244) }
```

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

```
.background{ background-color: rgb(45, 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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