

Converting Colors

CIELCh(77, 42.220, 233.939)

Have a look what the booklet for
CIELCh(77, 42.220, 233.939)
contains.

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Color

CIELCh(77, 42.177, 233.662)

Conversions

Conversions Part 1

Format	Color
Hex	25CEFC
RGB	37, 206, 252
RGB Percent	15%, 81%, 99%
CMY	0.8554, 0.1924, 0.0120
CMYK	0.85, 0.18, 0.00, 0.01
HSL	193°, 97%, 57%
HSV	193°, 85%, 99%
XYZ	40.3777, 51.5317, 99.8670
YIQ	160.7130, -115.4900, -21.5220

Conversions

Conversions Part 2

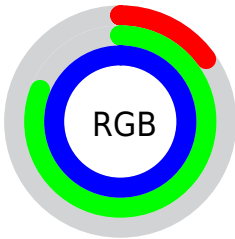
Format	Color
R _Y B	37, 132, 252
Decimal	2477820
CIE Lab	77.00, -24.99, -33.98
CIE LCh	77, 42.177, 233.662
Yxy	51.5317, 0.2105, 0.2687
Android (android.graphics.Color)	4280667900 (0xFF25CEFC)
YUV	160.7130, 45.0045, -108.4963
Hunter-Lab	71.7856, -25.2227, -32.2333

Details

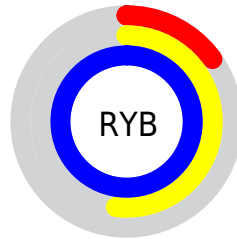
The CIELCh color **77, 42.177, 233.662** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **59, 86.041, 43.579**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.890, 197.097**, and **58, 36.391, 240.189** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.514, 237.520**, and if you desaturate by 10%, it is **79, 40.149, 230.479**.

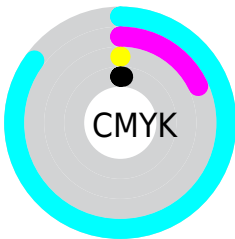
Distribution



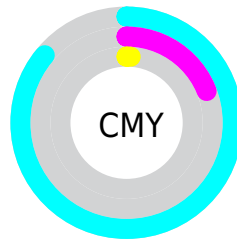
- Red (15%)
- Green (81%)
- Blue (99%)



- Red (15%)
- Yellow (52%)
- Blue (99%)



- Cyan (85%)
- Magenta (18%)
- Yellow (0%)
- Black (1%)



- Cyan (86%)
- Magenta (19%)
- Yellow (1%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 42.177, 233.662 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, 42.177, 233.662 by changing the saturation by 10% instead.

 77, 42.177,
233.662

 77, 42.177,
233.662


 100, 42.177,
233.662


 67, 42.177,
233.662

 97, 42.177,
233.662

 57, 42.177,
233.662

 47, 42.177,
233.662

 37, 42.177,
233.662

 27, 42.177,
233.662

 17, 42.177,
233.662

 7, 42.177, 233.662

■ 0, 42.177, 233.662

■ 77, 42.177,
233.662

■ 77, 42.177,
233.662

■ 75, 43.514,
237.520

■ 79, 40.149,
230.479

■ 74, 44.017,
239.466

■ 81, 37.290,
227.929

■ 83, 33.552,
225.932

■ 86, 28.964,
224.396

■ 88, 23.602,
223.237

■ 91, 17.569,
222.381

■ 94, 10.975,
221.774

■ 97, 3.931, 221.435

■ 100, 1.270,
101.203

Harmonies

Complementary

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



77, 42.177, 233.662



59, 86.041, 43.579

Rectangle

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



77, 42.177, 233.662



77, 42.177, 283.662



77, 42.177, 53.662



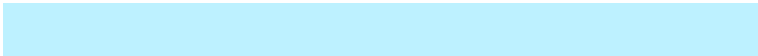
77, 42.177, 103.662

Sweetspot

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



77, 42.176, 233.662



92, 18.148, 222.429



87, 103.639, 140.572



48, 12.152, 222.701



0, 0.000, 0.000



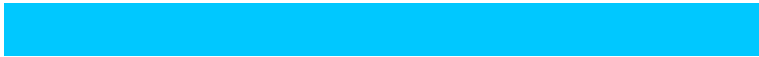
53, 0.007, 296.813

Same Dimension

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



77, 42.176, 233.662



75, 44.425, 239.496



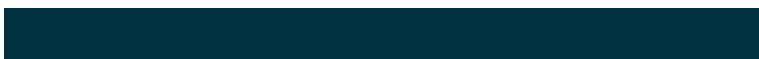
48, 87.740, 294.037



51, 4.098, 221.529



57, 35.328, 238.649



18, 15.769, 232.771

Inverse Universe

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



58, 94.936, 337.559



58, 97.652, 339.280



80, 77.274, 81.499



49, 7.677, 331.592



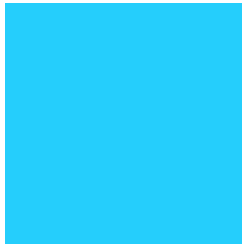
43, 78.094, 339.033



11, 36.047, 337.387

Previews

White Background



This preview shows how the CIE LCh color 77, 42.177, 233.662 looks on a white background.

Color Contrast Check

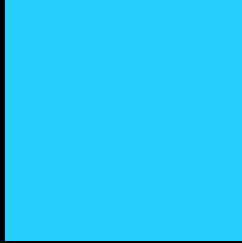
Large Text (above 18pt) WCAG AA × Fail

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, 42.177, 233.662 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, 42.177, 233.662

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.177, 233.662.

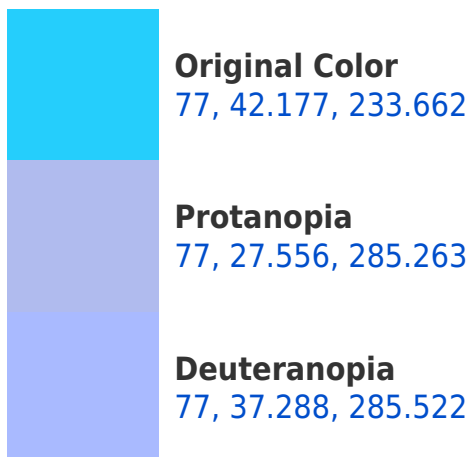


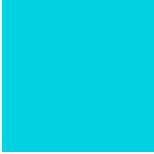
This preview shows how white text looks on a background with the CIELCh color 77, 42.177, 233.662.

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, 41.784, 208.674

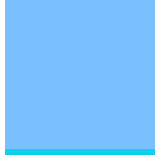
Trichromacy



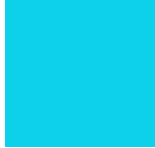
Original Color
77, 42.177, 233.662



Protanomaly
76, 32.175, 254.275



Deuteranomaly
76, 37.415, 260.923



Tritanomaly
77, 41.299, 216.871

Monochromacy



Original Color
77, 42.177, 233.662



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 21.297, 224.262

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.177, 233.662 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(37, 206, 252)` looks like.

```
.text, #text, p{  
    color:rgb(37, 206, 252)  
}
```

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(37, 206, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 206, 252) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.177, 233.662 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(37, 206, 252) }
```

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

```
.border{ border-color:rgb(37, 206, 252) }
```

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

Here you see how a box with a 4 pixel rgb(37, 206, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 206, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 206, 252);  
box-shadow:4px 4px 4px 4px rgb(37, 206,  
252) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.177, 233.662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 206, 252) }
```

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

```
.background{ background-color: rgb(37, 206,  
252) }
```

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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