

Converting Colors

CIELCh(77, 40.879, 235.023)

Have a look what the booklet for
CIELCh(77, 40.879, 235.023)
contains.

CIELCh(77, 40.885, 235.108)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(77, 40.885, 235.108)

Conversions

Conversions Part 1

Format	Color
Hex	37CDFB
RGB	55, 205, 251
RGB Percent	22%, 80%, 98%
CMY	0.7832, 0.1955, 0.0151
CMYK	0.78, 0.18, 0.00, 0.02
HSL	194°, 96%, 60%
HSV	194°, 78%, 98%
XYZ	40.8970, 51.5317, 99.1903
YIQ	165.3940, -104.1660, -17.4940

Conversions

Conversions Part 2

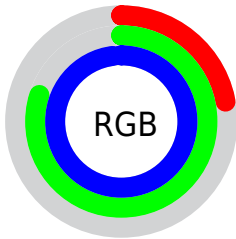
Format	Color
R _{YB}	55, 140, 251
Decimal	3657211
CIE _{Lab}	77.00, -23.39, -33.54
CIE _{LCh}	77, 40.885, 235.108
Yxy	51.5317, 0.2134, 0.2689
Android (android.graphics.Color)	4281847291 (0xFF37CDFB)
YUV	165.3940, 42.2038, -96.8155
Hunter-Lab	71.7856, -23.9315, -31.6744

Details

The CIELCh color **77, 40.885, 235.108** 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 **62, 76.810, 44.337**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **58, 36.282, 240.417** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.933, 238.777**, and if you desaturate by 10%, it is **79, 38.096, 232.122**.

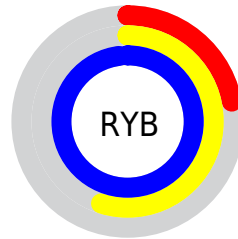
Distribution



Red (22%)

Green (80%)

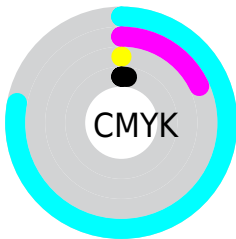
Blue (98%)



Red (22%)

Yellow (55%)

Blue (98%)

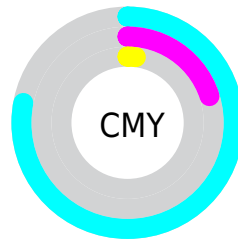


Cyan (78%)

Magenta (18%)

Yellow (0%)

Black (2%)



Cyan (78%)

Magenta (20%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 40.885, 235.108 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, 40.885, 235.108 by changing the saturation by 10% instead.


 77, 40.885,
235.108

 77, 40.885,
235.108


 100, 40.885,
235.108


 67, 40.885,
235.108


 97, 40.885,
235.108

 57, 40.885,
235.108

 47, 40.885,
235.108

 37, 40.885,
235.108

 27, 40.885,
235.108

 17, 40.885,
235.108

 7, 40.885, 235.108

■ 0, 40.885, 235.108

■ 77, 40.885,
235.108

■ 77, 40.885,
235.108

■ 75, 42.933,
238.777

■ 79, 38.096,
232.122

■ 73, 44.435,
243.116

■ 82, 34.488,
229.749

■ 73, 44.726,
244.020

■ 84, 30.064,
227.897

■ 87, 24.882,
226.473

■ 90, 19.033,
225.395

■ 93, 12.621,
224.598

■ 96, 5.752, 224.058

■ 99, 1.098, 52.130

■ 100, 1.936,
109.993

Harmonies

Complementary

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



77, 40.885, 235.108



62, 76.810, 44.337

Rectangle

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



77, 40.885, 235.108



77, 40.885, 285.108



77, 40.885, 55.108



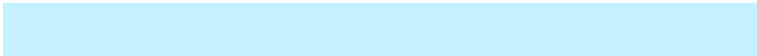
77, 40.885, 105.108

Sweetspot

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



77, 40.884, 235.108



93, 16.097, 224.968



87, 95.207, 142.804



48, 11.011, 225.272



0, 0.000, 0.000



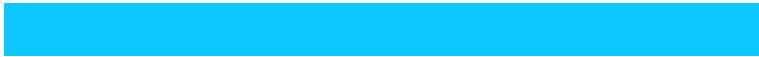
53, 0.007, 296.813

Same Dimension

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



77, 40.884, 235.108



75, 44.398, 241.353



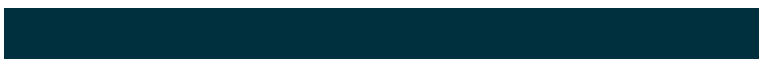
50, 83.250, 293.375



51, 4.063, 224.120



56, 35.935, 243.152



17, 15.899, 236.784

Inverse Universe

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



60, 90.267, 337.886



58, 96.045, 339.817



83, 73.644, 85.598



49, 7.563, 332.362



42, 76.915, 340.379



11, 35.557, 338.499

Previews

White Background



This preview shows how the CIELCh color 77, 40.885, 235.108 looks on a white background.

Color Contrast Check

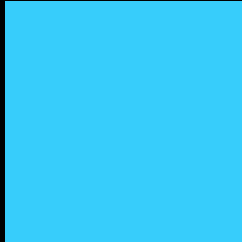
Large Text (above 18pt) WCAG AA × Fail

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, 40.885, 235.108 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, 40.885, 235.108

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.885, 235.108.

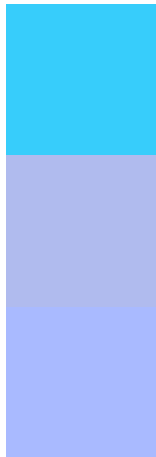


This preview shows how white text looks on a background with the CIELCh color 77, 40.885, 235.108.

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

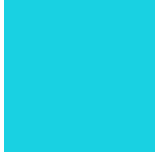
77, 40.885, 235.108

Protanopia

77, 27.556, 285.263

Deuteranopia

77, 37.288, 285.522



Tritanopia
77, 40.814, 209.824

Trichromacy



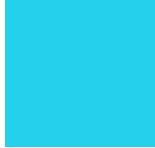
Original Color
77, 40.885, 235.108



Protanomaly
76, 31.240, 256.883



Deuteranomaly
76, 36.681, 263.147



Tritanomaly
77, 40.182, 218.379

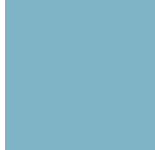
Monochromacy



Original Color
77, 40.885, 235.108



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 19.558, 226.819

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.885, 235.108 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(55, 205, 251)` looks like.

```
.text, #text, p{  
    color:rgb(55, 205, 251)  
}
```

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(55, 205, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 205, 251) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.885, 235.108 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(55, 205, 251) }
```

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

```
.border{ border-color:rgb(55, 205, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 205, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 205, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 205, 251);  
box-shadow:4px 4px 4px 4px rgb(55, 205,  
251) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.885, 235.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 205, 251) }
```

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

```
.background{ background-color: rgb(55, 205,  
251) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor