

Converting Colors

CIELCh(77, 40.468, 240.405)

Have a look what the booklet for
CIELCh(77, 40.468, 240.405)
contains.

CIELCh(77, 40.391, 239.846)	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, 40.391, 239.846)

Conversions

Conversions Part 1

Format	Color
Hex	46CCFE
RGB	70, 204, 254
RGB Percent	27%, 80%, 100%
CMY	0.7265, 0.2007, 0.0047
CMYK	0.73, 0.20, 0.00, 0.00
HSL	196°, 99%, 63%
HSV	196°, 73%, 100%
XYZ	41.9123, 51.5317, 101.3391
YIQ	169.6340, -95.9140, -12.8580

Conversions

Conversions Part 2

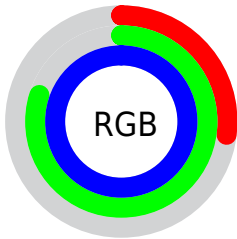
Format	Color
RYB	70, 148, 254
Decimal	4639998
CIELab	77.00, -20.29, -34.93
CIELCh	77, 40.391, 239.846
Yxy	51.5317, 0.2152, 0.2646
Android (android.graphics.Color)	4282830078 (0xFF46CCFE)
YUV	169.6340, 41.5924, -87.3790
Hunter-Lab	71.7856, -21.4071, -33.4492

Details

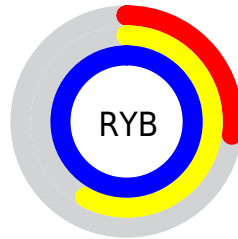
The CIELCh color **77, 40.391, 239.846** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **66, 69.820, 46.627**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **58, 37.265, 244.081** is the 20% darker color. If you saturate the color by 10%, you get **75, 43.261, 243.580**, and if you desaturate by 10%, it is **80, 36.830, 236.801**.

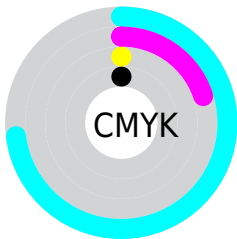
Distribution



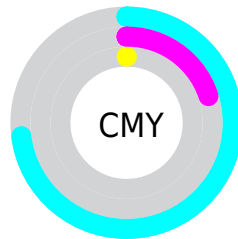
- Red (27%)
- Green (80%)
- Blue (100%)



- Red (27%)
- Yellow (58%)
- Blue (100%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (73%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 40.391, 239.846 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, 40.391, 239.846 by changing the saturation by 10% instead.

■ 77, 40.391,
239.846

■ 77, 40.391,
239.846

■ 100, 40.391,
239.846

■ 67, 40.391,
239.846

■ 97, 40.391,
239.846

■ 57, 40.391,
239.846

■ 47, 40.391,
239.846

■ 37, 40.391,
239.846

■ 27, 40.391,
239.846

■ 17, 40.391,
239.846

■ 7, 40.391, 239.846

■ 0, 40.391, 239.846

■ 77, 40.391,
239.846

■ 77, 40.391,
239.846

■ 75, 43.261,
243.580

■ 80, 36.830,
236.801

■ 72, 45.586,
248.022

■ 82, 32.530,
234.368

■ 71, 47.148,
251.684

■ 85, 27.512,
232.451

■ 89, 21.842,
230.959

■ 92, 15.609,
229.810

■ 95, 8.910, 228.946

99, 1.838, 228.530

100, 0.595,
110.003

Harmonies

Complementary

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



77, 40.391, 239.846



66, 69.820, 46.627

Rectangle

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



77, 40.391, 239.846



77, 40.391, 289.846



77, 40.391, 59.846



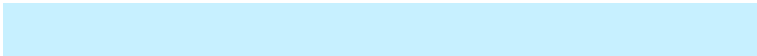
77, 40.391, 109.846

Sweetspot

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



77, 40.390, 239.846



92, 15.327, 229.758



89, 88.775, 144.824



48, 10.217, 230.036



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, 40.390, 239.846



74, 44.521, 245.493



52, 81.246, 293.421



51, 4.089, 228.741



54, 37.869, 250.761



17, 16.767, 244.055

Inverse Universe

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



61, 85.601, 339.198



58, 92.631, 341.081



86, 71.581, 89.031



50, 7.491, 333.768



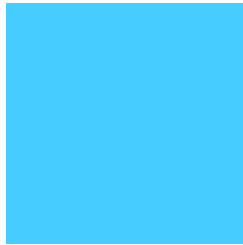
43, 75.716, 342.886



11, 35.631, 340.660

Previews

White Background



This preview shows how the CIELCh color 77, 40.391, 239.846 looks on a white background.

Color Contrast Check

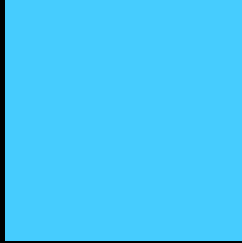
Large Text (above 18pt) WCAG AA × Fail

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, 40.391, 239.846 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

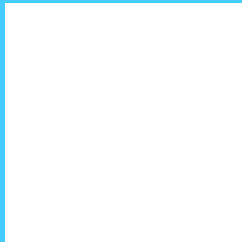
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 40.391, 239.846

Background



This preview shows how black text looks on a background with the CIELCh color 77, 40.391, 239.846.

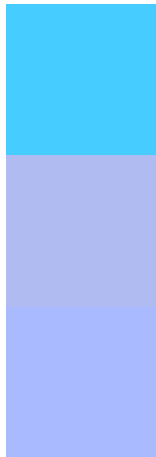


This preview shows how white text looks on a background with the CIELCh color 77, 40.391, 239.846.

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

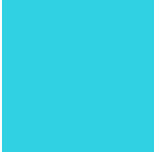
77, 40.391, 239.846

Protanopia

77, 29.176, 285.248

Deuteranopia

77, 37.288, 285.522



Tritanopia
77, 39.241, 210.454

Trichromacy



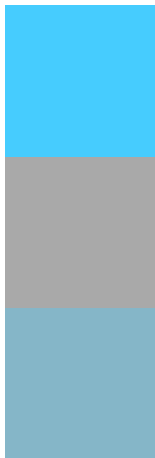
Original Color
77, 40.391, 239.846

Protanomaly
76, 32.192, 261.922

Deuteranomaly
76, 36.995, 266.256

Tritanomaly
77, 38.586, 221.216

Monochromacy



Original Color
77, 40.391, 239.846

Achromatopsia
69, 0.009, 296.813

Achromatomaly
71, 18.511, 230.616

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 40.391, 239.846 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(70, 204, 254)` looks like.

```
.text, #text, p{  
    color:rgb(70, 204, 254)  
}
```

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(70, 204, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 204, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 40.391, 239.846 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(70, 204, 254) }
```

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

```
.border{ border-color:rgb(70, 204, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 204, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 204, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 204, 254);  
box-shadow:4px 4px 4px 4px rgb(70, 204,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 40.391, 239.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 204, 254) }
```

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

```
.background{ background-color: rgb(70, 204,  
254) }
```

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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