

Converting Colors

CIELCh(76, 42.247, 241.185)

Have a look what the booklet for
CIELCh(76, 42.247, 241.185)
contains.

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Color

CIELCh(76, 42.340, 241.594)

Conversions

Conversions Part 1

Format	Color
Hex	36C9FF
RGB	54, 201, 255
RGB Percent	21%, 79%, 100%
CMY	0.7868, 0.2110, 0.0000
CMYK	0.79, 0.21, 0.00, 0.00
HSL	196°, 100%, 61%
HSV	196°, 79%, 100%
XYZ	40.5519, 49.8872, 102.2649
YIQ	163.2030, -104.9460, -14.3700

Conversions

Conversions Part 2

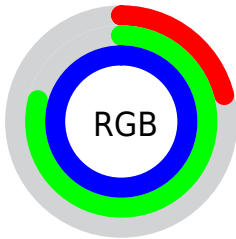
Format	Color
R _Y B	54, 139, 255
Decimal	3590655
CIE Lab	76.00, -20.14, -37.24
CIE LCh	76, 42.340, 241.594
Yxy	49.8872, 0.2104, 0.2589
Android (android.graphics.Color)	4281780735 (0xFF36C9FF)
YUV	163.2030, 45.2559, -95.7710
Hunter-Lab	70.6309, -21.1203, -36.4030

Details

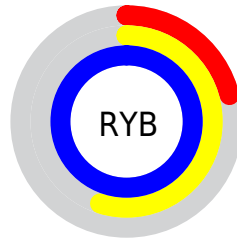
The CIELCh color **76, 42.340, 241.594** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **64, 77.270, 46.506**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 36.231, 197.196**, and **57, 38.203, 248.054** is the 20% darker color. If you saturate the color by 10%, you get **74, 44.757, 245.598**, and if you desaturate by 10%, it is **78, 39.191, 238.028**.

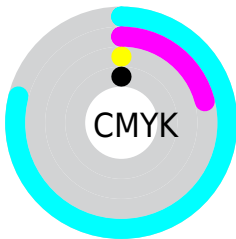
Distribution



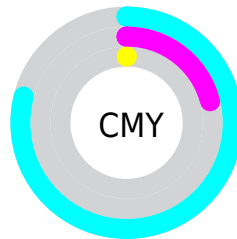
- Red (21%)
- Green (79%)
- Blue (100%)



- Red (21%)
- Yellow (55%)
- Blue (100%)



- Cyan (79%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (79%)
- Magenta (21%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.340, 241.594 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 76, 42.340, 241.594 by changing the saturation by 10% instead.

 76, 42.340,
241.594


 76, 42.340,
241.594


 100, 42.340,
241.594


 66, 42.340,
241.594


 96, 42.340,
241.594

 56, 42.340,
241.594

 46, 42.340,
241.594

 36, 42.340,
241.594

 26, 42.340,
241.594

 16, 42.340,
241.594

 6, 42.340, 241.594

■ 0, 42.340, 241.594

■ 76, 42.340,
241.594

■ 76, 42.340,
241.594

■ 74, 44.757,
245.598

■ 78, 39.191,
238.028

■ 72, 46.822,
250.376

■ 81, 35.363,
235.259

■ 71, 47.097,
251.015

■ 84, 30.785,
233.064

■ 87, 25.500,
231.346

■ 90, 19.587,
230.016

■ 94, 13.141,
229.000

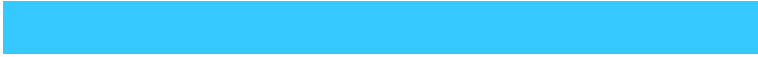
■ 97, 6.260, 228.262

100, 0.012,
296.813

Harmonies

Complementary

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



76, 42.340, 241.594



64, 77.270, 46.506

Rectangle

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



76, 42.340, 241.594



76, 42.340, 291.594



76, 42.340, 61.594



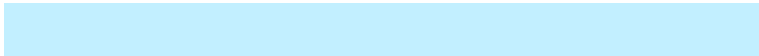
76, 42.340, 111.594

Sweetspot

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



76, 42.288, 241.457



92, 16.630, 229.505



89, 94.657, 143.732



48, 11.300, 229.888



0, 0.000, 0.000



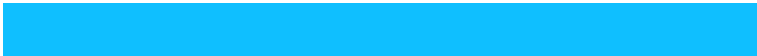
53, 0.007, 296.813

Same Dimension

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



76, 42.288, 241.457



73, 45.882, 248.081



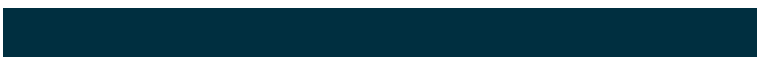
49, 89.284, 295.380



51, 4.092, 228.311



55, 37.699, 250.084



17, 16.719, 243.426

Inverse Universe

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



60, 89.728, 339.757



57, 93.871, 341.956



85, 76.293, 88.133



50, 7.509, 333.635



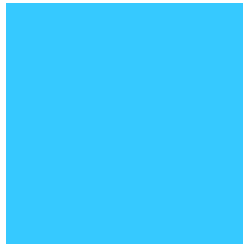
43, 75.890, 342.649



11, 35.707, 340.464

Previews

White Background



This preview shows how the CIE LCh color 76, 42.340, 241.594 looks on a white background.

Color Contrast Check

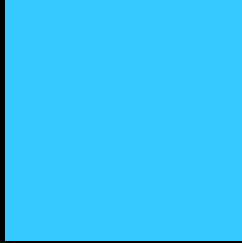
Large Text (above 18pt) WCAG AA × Fail

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 76, 42.340, 241.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

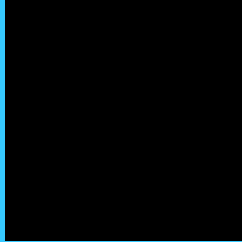
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

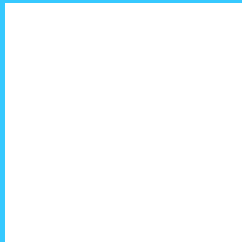
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.340, 241.594

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.340, 241.594.

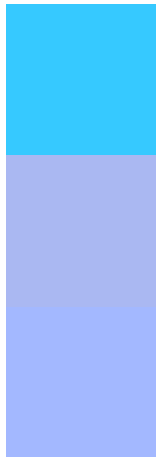


This preview shows how white text looks on a background with the CIELCh color 76, 42.340, 241.594.

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

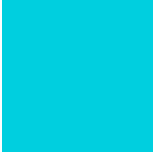
76, 42.340, 241.594

Protanopia

76, 31.447, 284.958

Deuteranopia

76, 38.551, 284.209



Tritanopia
76, 41.328, 208.845

Trichromacy



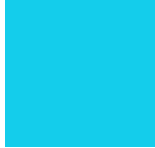
Original Color
76, 42.340, 241.594



Protanomaly
75, 34.674, 262.127



Deuteranomaly
75, 38.707, 264.731



Tritanomaly
76, 40.707, 220.651

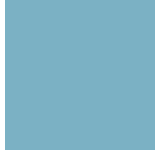
Monochromacy



Original Color
76, 42.340, 241.594



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 19.987, 229.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.340, 241.594 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(54, 201, 255)` looks like.

```
.text, #text, p{  
    color:rgb(54, 201, 255)  
}
```

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(54, 201, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 201, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.340, 241.594 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(54, 201, 255) }
```

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

```
.border{ border-color:rgb(54, 201, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 201, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 201, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 201, 255);  
box-shadow:4px 4px 4px 4px rgb(54, 201,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.340, 241.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 201, 255) }
```

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

```
.background{ background-color: rgb(54, 201,  
255) }
```

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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