

Converting Colors

CIELCh(76, 43.469, 238.720)

Have a look what the booklet for
CIELCh(76, 43.469, 238.720)
contains.

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Color

CIELCh(76, 43.504, 239.041)

Conversions

Conversions Part 1

Format	Color
Hex	1FCAFF
RGB	31, 202, 255
RGB Percent	12%, 79%, 100%
CMY	0.8792, 0.2068, 0.0000
CMYK	0.88, 0.21, 0.00, 0.00
HSL	194°, 100%, 56%
HSV	194°, 88%, 100%
XYZ	39.8330, 49.8872, 102.3652
YIQ	156.9130, -118.9290, -19.7690

Conversions

Conversions Part 2

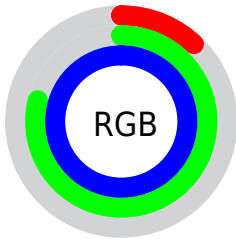
Format	Color
R _Y B	31, 128, 255
Decimal	2083583
CIE Lab	76.00, -22.38, -37.31
CIE LCh	76, 43.504, 239.041
Yxy	49.8872, 0.2074, 0.2597
Android (android.graphics.Color)	4280273663 (0xFF1FCAFF)
YUV	156.9130, 48.3569, -110.4257
Hunter-Lab	70.6309, -22.9372, -36.4872

Details

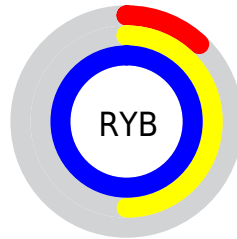
The CIELCh color **76, 43.504, 239.041** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **60, 88.589, 44.725**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.289, 197.073**, and **57, 37.975, 247.014** is the 20% darker color. If you saturate the color by 10%, you get **74, 44.964, 243.202**, and if you desaturate by 10%, it is **78, 41.361, 235.175**.

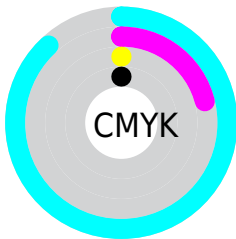
Distribution



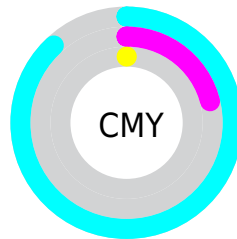
- Red (12%)
- Green (79%)
- Blue (100%)



- Red (12%)
- Yellow (50%)
- Blue (100%)



- Cyan (88%)
- Magenta (21%)
- Yellow (0%)
- Black (0%)





- Cyan (88%)
- Magenta (21%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 43.504, 239.041 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, 43.504, 239.041 by changing the saturation by 10% instead.


 76, 43.504,
239.041


 76, 43.504,
239.041


 100, 43.504,
239.041


 66, 43.504,
239.041


 96, 43.504,
239.041

 56, 43.504,
239.041

 46, 43.504,
239.041

 36, 43.504,
239.041

 26, 43.504,
239.041

 16, 43.504,
239.041

 6, 43.504, 239.041

■ 0, 43.504, 239.041

■ 76, 43.504,
239.041

■ 76, 43.504,
239.041

■ 74, 44.964,
243.202

■ 78, 41.361,
235.175

■ 74, 45.268,
244.141

■ 80, 38.534,
232.182

■ 83, 34.878,
229.804

■ 85, 30.396,
227.948

■ 88, 25.147,
226.522

■ 91, 19.222,
225.442

■ 94, 12.729,
224.643

■ 97, 5.773, 224.102

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, 43.504, 239.041



60, 88.589, 44.725

Rectangle

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



76, 43.504, 239.041



76, 43.504, 289.041



76, 43.504, 59.041



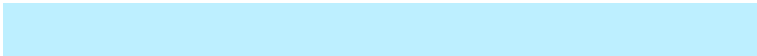
76, 43.504, 109.041

Sweetspot

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



76, 43.440, 238.852



92, 18.019, 225.269



88, 104.261, 141.037



48, 12.071, 225.589



0, 0.000, 0.000



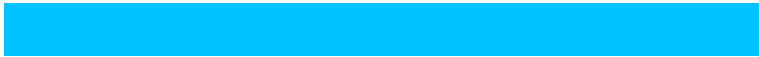
53, 0.007, 296.813

Same Dimension

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



76, 43.440, 238.852



74, 45.268, 244.141



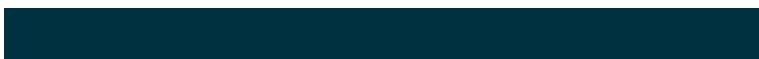
46, 96.180, 296.727



52, 4.131, 224.167



56, 36.317, 243.277



18, 16.346, 237.192

Inverse Universe

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



59, 95.131, 339.049



57, 96.132, 340.687



82, 80.149, 83.875



50, 7.687, 332.377



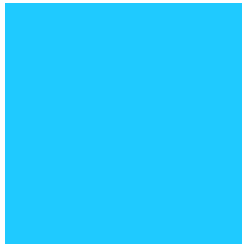
43, 77.655, 340.418



11, 36.468, 338.615

Previews

White Background



This preview shows how the CIE LCh color 76, 43.504, 239.041 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, 43.504, 239.041 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

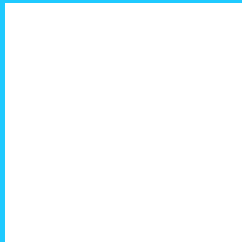
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 43.504, 239.041

Background



This preview shows how black text looks on a background with the CIELCh color 76, 43.504, 239.041.

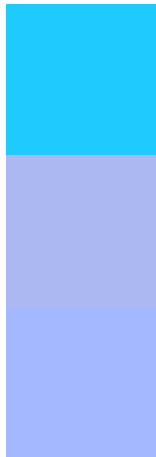


This preview shows how white text looks on a background with the CIELCh color 76, 43.504, 239.041.

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

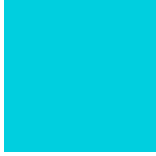
76, 43.464, 239.090

Protanopia

76, 30.884, 285.319

Deuteranopia

76, 38.551, 284.209



Tritanopia
76, 41.328, 208.845

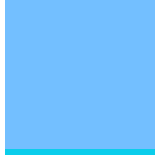
Trichromacy



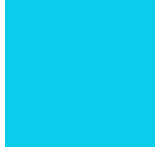
Original Color
76, 43.464, 239.090



Protanomaly
75, 34.844, 257.792



Deuteranomaly
75, 39.128, 261.518



Tritanomaly
76, 40.977, 220.470

Monochromacy



Original Color
76, 43.464, 239.090



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 22.085, 228.286

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 43.504, 239.041 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(31, 202, 255)` looks like.

```
.text, #text, p{  
    color:rgb(31, 202, 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(31, 202, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 202, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 43.504, 239.041 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(31, 202, 255) }
```

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

```
.border{ border-color:rgb(31, 202, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 202, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 202, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 202, 255);  
box-shadow:4px 4px 4px 4px rgb(31, 202,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 43.504, 239.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 202, 255) }
```

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

```
.background{ background-color: rgb(31, 202,  
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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