

Converting Colors

CIELCh(76, 41.405, 244.562)

Have a look what the booklet for
CIELCh(76, 41.405, 244.562)
contains.

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Color

CIELCh(76, 41.255, 244.277)

Conversions

Conversions Part 1

Format	Color
Hex	46C8FF
RGB	70, 200, 255
RGB Percent	27%, 78%, 100%
CMY	0.7249, 0.2153, 0.0000
CMYK	0.72, 0.22, 0.00, 0.00
HSL	198°, 100%, 64%
HSV	198°, 72%, 100%
XYZ	41.2790, 49.8872, 102.1468
YIQ	167.4000, -95.1350, -10.4550

Conversions

Conversions Part 2

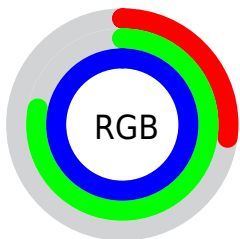
Format	Color
R_{YB}	70, 146, 255
Decimal	4638975
CIE _{Lab}	76.00, -17.91, -37.17
CIE _{LCh}	76, 41.255, 244.277
Yxy	49.8872, 0.2135, 0.2581
Android (android.graphics.Color)	4282829055 (0xFF46C8FF)
YUV	167.4000, 43.1868, -85.4198
Hunter-Lab	70.6309, -19.2829, -36.3039

Details

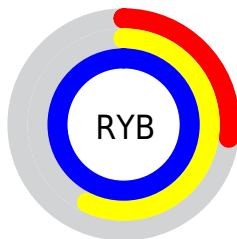
The CIELCh color **76, 41.255, 244.277** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **67, 69.228, 48.535**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 34.243, 197.314**, and **57, 38.442, 249.084** is the 20% darker color. If you saturate the color by 10%, you get **73, 44.455, 248.179**, and if you desaturate by 10%, it is **79, 37.385, 240.930**.

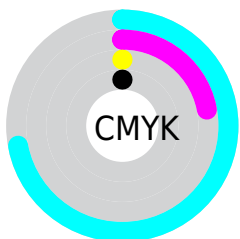
Distribution



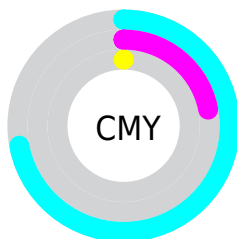
- Red (27%)
- Green (78%)
- Blue (100%)



- Red (27%)
- Yellow (57%)
- Blue (100%)



- Cyan (72%)
- Magenta (22%)
- Yellow (0%)
- Black (0%)





- Cyan (72%)
- Magenta (22%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.255, 244.277 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, 41.255, 244.277 by changing the saturation by 10% instead.


 76, 41.255,
244.277


 76, 41.255,
244.277


 100, 41.255,
244.277


 66, 41.255,
244.277


 96, 41.255,
244.277

 56, 41.255,
244.277

 46, 41.255,
244.277

 36, 41.255,
244.277

 26, 41.255,
244.277

 16, 41.255,
244.277

 6, 41.255, 244.277

■ 0, 41.255, 244.277

■ 76, 41.255,
244.277

■ 76, 41.255,
244.277

■ 73, 44.455,
248.179

■ 79, 37.385,
240.930

■ 71, 47.230,
252.842

■ 82, 32.876,
238.285

■ 69, 49.194,
256.655

■ 85, 27.705,
236.179

■ 88, 21.929,
234.518

■ 92, 15.629,
233.220

■ 95, 8.895, 232.224

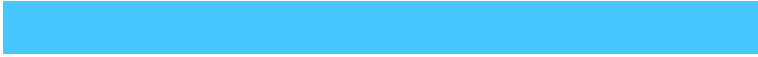
99, 1.812, 231.690

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, 41.255, 244.277



67, 69.228, 48.535

Rectangle

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



76, 41.255, 244.277



76, 41.255, 294.277



76, 41.255, 64.277



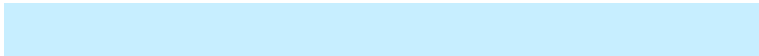
76, 41.255, 114.277

Sweetspot

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



76, 41.224, 244.207



92, 15.310, 233.165



89, 87.946, 145.399



48, 10.211, 233.481



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, 41.224, 244.207



72, 45.751, 250.201



52, 83.420, 294.273



51, 4.076, 231.985



53, 39.300, 255.690



17, 17.192, 248.691

Inverse Universe

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



62, 84.521, 340.557



58, 91.131, 342.667



87, 72.558, 90.282



50, 7.356, 334.786



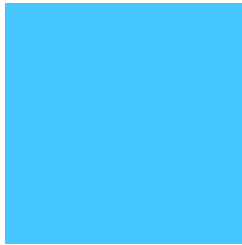
43, 74.458, 344.717



11, 35.078, 342.171

Previews

White Background



This preview shows how the CIELCh color 76, 41.255, 244.277 looks on a white background.

Color Contrast Check

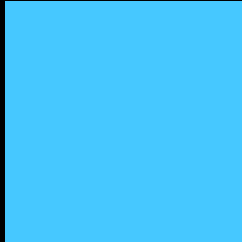
Large Text (above 18pt) WCAG AA × Fail

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, 41.255, 244.277 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

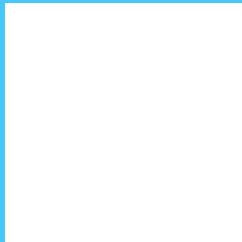
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 41.255, 244.277

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.255, 244.277.

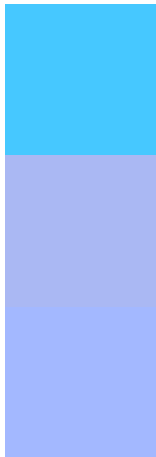


This preview shows how white text looks on a background with the CIELCh color 76, 41.255, 244.277.

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](#).

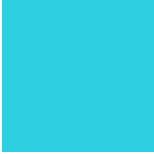
Dichromacy



Original Color
76, 41.255, 244.277

Protanopia
76, 31.976, 285.159

Deuteranopia
76, 38.551, 284.209



Tritanopia
76, 39.090, 210.532

Trichromacy



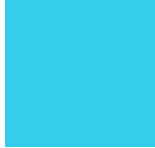
Original Color
76, 41.255, 244.277



Protanomaly
75, 34.023, 264.357



Deuteranomaly
75, 38.143, 266.641



Tritanomaly
76, 38.490, 223.173

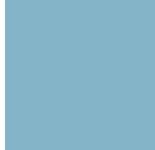
Monochromacy



Original Color
76, 41.255, 244.277



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 18.773, 234.265

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.255, 244.277 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, 200, 255)` looks like.

```
.text, #text, p{  
    color:rgb(70, 200, 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(70, 200, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 200, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.255, 244.277 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, 200, 255) }
```

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

```
.border{ border-color:rgb(70, 200, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 200, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 200, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 200, 255);  
box-shadow:4px 4px 4px 4px rgb(70, 200,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.255, 244.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 200, 255) }
```

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

```
.background{ background-color: rgb(70, 200,  
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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