

Converting Colors

CIELCh(77, 43.953, 235.730)

Have a look what the booklet for
CIELCh(77, 43.953, 235.730)
contains.

CIELCh(77, 43.692, 234.856)	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, 43.692, 234.856)

Conversions

Conversions Part 1

Format	Color
Hex	0ACEFF
RGB	10, 206, 255
RGB Percent	4%, 81%, 100%
CMY	0.9593, 0.1914, 0.0000
CMYK	0.96, 0.19, 0.00, 0.00
HSL	192°, 100%, 52%
HSV	192°, 96%, 100%
XYZ	40.3266, 51.5317, 102.5930
YIQ	152.9820, -132.5450, -26.3130

Conversions

Conversions Part 2

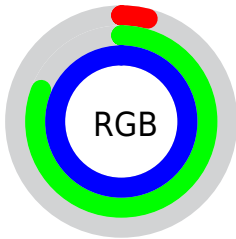
Format	Color
R_{YB}	10, 119, 255
Decimal	708351
CIE _{Lab}	77.00, -25.15, -35.73
CIE _{LCh}	77, 43.692, 234.856
Yxy	51.5317, 0.2074, 0.2650
Android (android.graphics.Color)	4278898431 (0xFF0ACEFF)
YUV	152.9820, 50.2949, -125.3952
Hunter-Lab	71.7856, -25.3498, -34.4848

Details

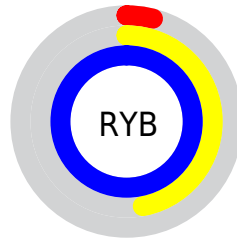
The CIELCh color **77, 43.692, 234.856** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **57, 97.071, 43.095**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **59, 37.186, 242.770** is the 20% darker color. If you saturate the color by 10%, you get **76, 44.015, 236.326**, and if you desaturate by 10%, it is **79, 42.507, 231.064**.

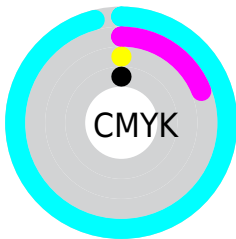
Distribution



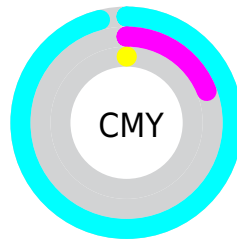
- Red (4%)
- Green (81%)
- Blue (100%)



- Red (4%)
- Yellow (47%)
- Blue (100%)



- Cyan (96%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 43.692, 234.856 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, 43.692, 234.856 by changing the saturation by 10% instead.

 77, 43.692,
234.856

 77, 43.692,
234.856


 100, 43.692,
234.856


 67, 43.692,
234.856


 97, 43.692,
234.856

 57, 43.692,
234.856

 47, 43.692,
234.856

 37, 43.692,
234.856

 27, 43.692,
234.856

 17, 43.692,
234.856

 7, 43.692, 234.856

■ 0, 43.692, 234.856

■ 77, 43.692,
234.856

■ 77, 43.692,
234.856

■ 76, 44.015,
236.326

■ 79, 42.507,
231.064

■ 80, 40.632,
228.063

■ 82, 37.883,
225.670

■ 85, 34.215,
223.806

■ 87, 29.656,
222.383

■ 90, 24.287,
221.320

■ 92, 18.213,
220.547

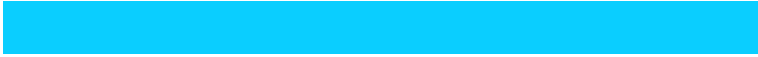
■ 95, 11.552,
220.012

■ 98, 4.416, 219.725

Harmonies

Complementary

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



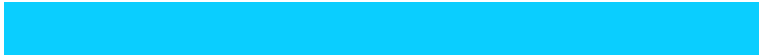
77, 43.692, 234.856



57, 97.071, 43.095

Rectangle

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



77, 43.692, 234.856



77, 43.692, 284.856



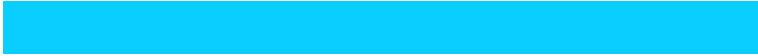
77, 43.692, 54.856



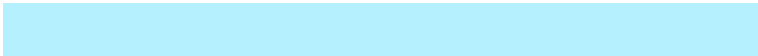
77, 43.692, 104.856

Sweetspot

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



77, 43.653, 234.716



91, 20.145, 220.757



88, 112.404, 138.471



48, 13.598, 221.088



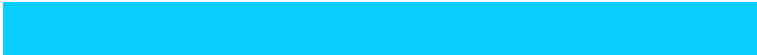
0, 0.000, 0.000



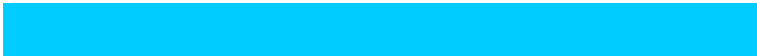
53, 0.007, 296.813

Same Dimension

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



77, 43.653, 234.716



76, 44.015, 236.326



45, 98.053, 296.851



52, 4.196, 219.788



59, 35.388, 235.569



19, 16.151, 230.311

Inverse Universe

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



58, 98.603, 337.908



58, 98.706, 338.369



78, 81.679, 77.645



50, 7.885, 331.080



43, 79.707, 338.157



11, 37.336, 336.728

Previews

White Background



This preview shows how the CIE LCh color 77, 43.692, 234.856 looks on a white background.

Color Contrast Check

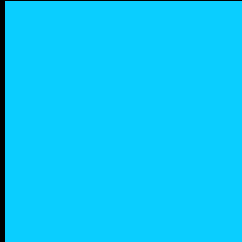
Large Text (above 18pt) WCAG AA × Fail

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, 43.692, 234.856 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, 43.692, 234.856

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.692, 234.856.

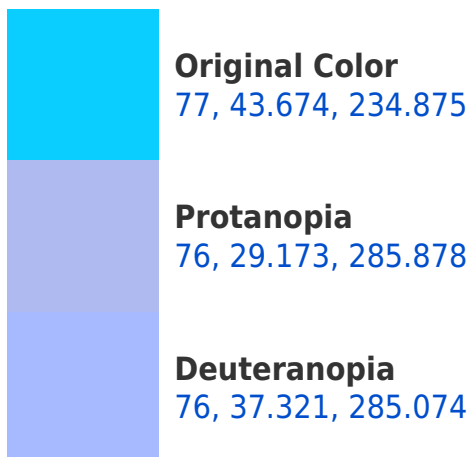


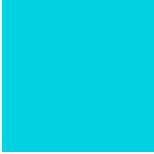
This preview shows how white text looks on a background with the CIELCh color 77, 43.692, 234.856.

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





Tritanopia
77, 41.784, 208.674

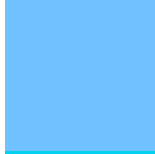
Trichromacy



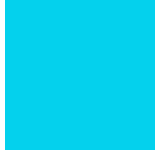
Original Color
77, 43.674, 234.875



Protanomaly
75, 34.502, 253.494



Deuteranomaly
75, 38.876, 258.651



Tritanomaly
77, 41.593, 218.344

Monochromacy



Original Color
77, 43.674, 234.875



Achromatopsia
63, 0.008, 296.813



Achromatomaly
67, 23.785, 222.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 43.692, 234.856 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(10, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 206, 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(10, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.692, 234.856 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(10, 206, 255) }
```

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

```
.border{ border-color:rgb(10, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.692, 234.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 206, 255) }
```

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

```
.background{ background-color: rgb(10, 206,  
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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