

Converting Colors

CIELCh(77, 43.527, 233.836)

Have a look what the booklet for
CIELCh(77, 43.527, 233.836)
contains.

CIELCh(77, 43.536, 234.100)	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, 43.536, 234.100)

Conversions

Conversions Part 1

Format	Color
Hex	09CEFE
RGB	9, 206, 254
RGB Percent	4%, 81%, 100%
CMY	0.9636, 0.1909, 0.0026
CMYK	0.96, 0.19, 0.00, 0.00
HSL	192°, 99%, 52%
HSV	192°, 96%, 100%
XYZ	40.2051, 51.5317, 101.8705
YIQ	152.5690, -132.8200, -26.8360

Conversions

Conversions Part 2

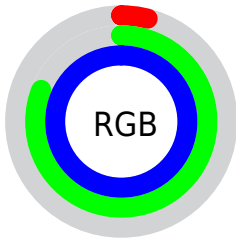
Format	Color
RYB	9, 118, 254
Decimal	642814
CIELab	77.00, -25.53, -35.27
CIELCh	77, 43.536, 234.100
Yxy	51.5317, 0.2077, 0.2662
Android (android.graphics.Color)	4278832894 (0xFF09CEFE)
YUV	152.5690, 50.0055, -125.9100
Hunter-Lab	71.7856, -25.6520, -33.8881

Details

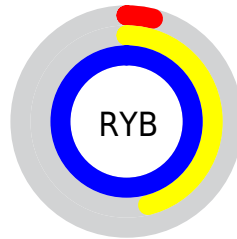
The CIELCh color **77, 43.536, 234.100** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **56, 97.311, 42.955**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.257, 197.016**, and **58, 37.083, 243.005** is the 20% darker color. If you saturate the color by 10%, you get **76, 43.844, 235.517**, and if you desaturate by 10%, it is **79, 42.456, 230.488**.

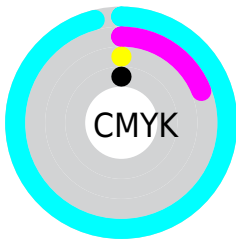
Distribution



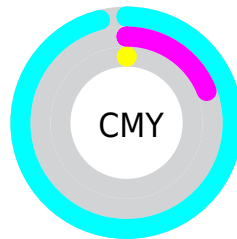
- Red (4%)
- Green (81%)
- Blue (100%)



- Red (4%)
- Yellow (46%)
- 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, 43.536, 234.100 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, 43.536, 234.100 by changing the saturation by 10% instead.

■ 77, 43.536,
234.100

■ 77, 43.536,
234.100

■ 100, 43.536,
234.100

■ 67, 43.536,
234.100

■ 97, 43.536,
234.100

■ 57, 43.536,
234.100

■ 47, 43.536,
234.100

■ 37, 43.536,
234.100

■ 27, 43.536,
234.100

■ 17, 43.536,
234.100

■ 7, 43.536, 234.100

■ 0, 43.536, 234.100

■ 77, 43.536,
234.100

■ 77, 43.536,
234.100

■ 76, 43.844,
235.517

■ 79, 42.456,
230.488

■ 80, 40.647,
227.520

■ 82, 37.961,
225.155

■ 85, 34.350,
223.313

■ 87, 29.841,
221.909

■ 89, 24.514,
220.862

■ 92, 18.475,
220.104

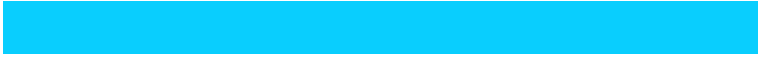
■ 95, 11.841,
219.582

■ 98, 4.726, 219.299

Harmonies

Complementary

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



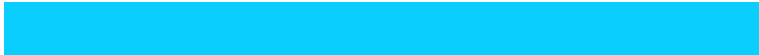
77, 43.536, 234.100



56, 97.311, 42.955

Rectangle

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



77, 43.536, 234.100



77, 43.536, 284.100



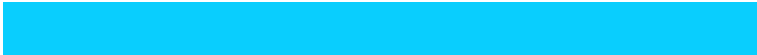
77, 43.536, 54.100



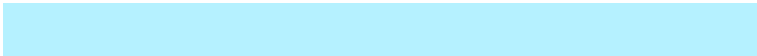
77, 43.536, 104.100

Sweetspot

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



77, 43.535, 234.100



92, 20.178, 220.280



88, 112.392, 138.411



48, 13.619, 220.601



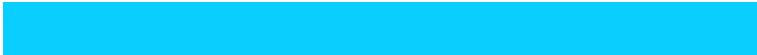
0, 0.000, 0.000



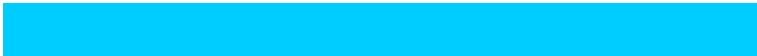
53, 0.007, 296.813

Same Dimension

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



77, 43.535, 234.100



77, 43.932, 235.523



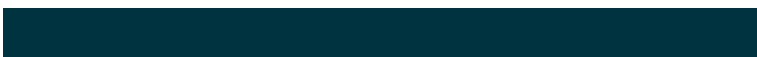
44, 98.304, 296.993



52, 4.204, 219.353



59, 35.328, 234.778



19, 16.143, 229.613

Inverse Universe

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



58, 98.680, 337.740



58, 98.977, 338.144



78, 81.604, 77.541



50, 7.906, 330.953



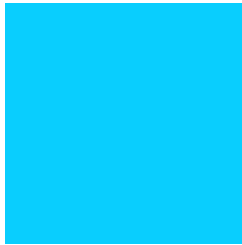
43, 79.923, 337.937



11, 37.427, 336.544

Previews

White Background



This preview shows how the CIE LCh color 77, 43.536, 234.100 looks on a white background.

Color Contrast Check

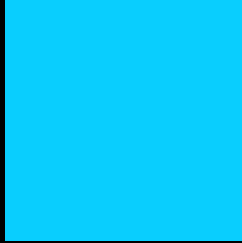
Large Text (above 18pt) WCAG AA × Fail

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, 43.536, 234.100 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, 43.536, 234.100

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.536, 234.100.

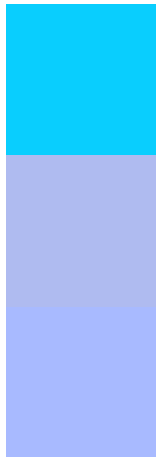


This preview shows how white text looks on a background with the CIELCh color 77, 43.536, 234.100.

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

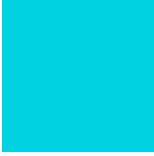
77, 43.500, 234.138

Protanopia

77, 28.647, 285.042

Deuteranopia

76, 37.321, 285.074



Tritanopia
77, 41.784, 208.674

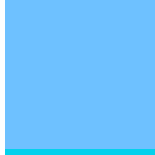
Trichromacy



Original Color
77, 43.500, 234.138



Protanomaly
75, 34.249, 252.435



Deuteranomaly
75, 38.979, 258.388



Tritanomaly
77, 41.571, 217.536

Monochromacy



Original Color
77, 43.500, 234.138



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, 43.536, 234.100 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(9, 206, 254)` looks like.

```
.text, #text, p{  
    color:rgb(9, 206, 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(9, 206, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 206, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.536, 234.100 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(9, 206, 254) }
```

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

```
.border{ border-color:rgb(9, 206, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 206, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(9, 206,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.536, 234.100 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 206, 254) }
```

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

```
.background{ background-color: rgb(9, 206,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor