

Converting Colors

CIELCh(77, 43.470, 236.417)

Have a look what the booklet for
CIELCh(77, 43.470, 236.417)
contains.

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Color

CIELCh(77, 43.209, 235.375)

Conversions

Conversions Part 1

Format	Color
Hex	1BCEFF
RGB	27, 206, 255
RGB Percent	11%, 81%, 100%
CMY	0.8954, 0.1926, 0.0004
CMYK	0.90, 0.19, 0.00, 0.00
HSL	193°, 100%, 55%
HSV	193°, 90%, 100%
XYZ	40.5198, 51.5317, 102.3246
YIQ	158.0650, -122.4130, -22.7090

Conversions

Conversions Part 2

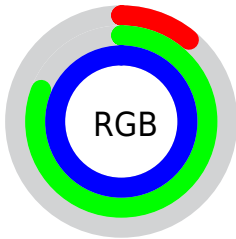
Format	Color
R _Y B	27, 127, 255
Decimal	1822463
CIE Lab	77.00, -24.55, -35.56
CIE LCh	77, 43.209, 235.375
Yxy	51.5317, 0.2085, 0.2651
Android (android.graphics.Color)	4280012543 (0xFF1BCEFF)
YUV	158.0650, 47.7890, -114.9440
Hunter-Lab	71.7856, -24.8694, -34.2632

Details

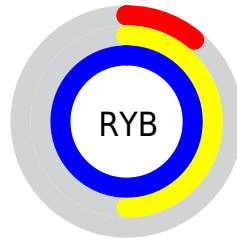
The CIELCh color **77, 43.209, 235.375** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **58, 91.047, 43.772**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.486, 197.062**, and **59, 37.186, 242.770** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.384, 239.478**, and if you desaturate by 10%, it is **79, 41.471, 231.892**.

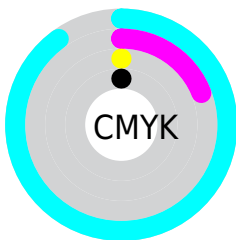
Distribution



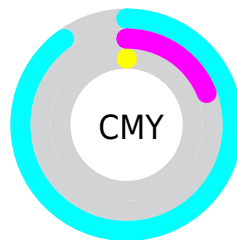
- Red (11%)
- Green (81%)
- Blue (100%)



- Red (11%)
- Yellow (50%)
- Blue (100%)



- Cyan (90%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (90%)
- Magenta (19%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 43.209, 235.375 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, 43.209, 235.375 by changing the saturation by 10% instead.


 77, 43.209,
235.375


 77, 43.209,
235.375


 100, 43.209,
235.375


 67, 43.209,
235.375


 97, 43.209,
235.375

 57, 43.209,
235.375

 47, 43.209,
235.375

 37, 43.209,
235.375

 27, 43.209,
235.375

 17, 43.209,
235.375

 7, 43.209, 235.375

■ 0, 43.209, 235.375

■ 77, 43.209,
235.375

■ 77, 43.209,
235.375

■ 75, 44.384,
239.478

■ 79, 41.471,
231.892

■ 75, 44.437,
239.672

■ 81, 38.944,
229.071

■ 83, 35.542,
226.841

■ 86, 31.263,
225.112

■ 88, 26.166,
223.797

■ 91, 20.346,
222.815

■ 94, 13.915,
222.103

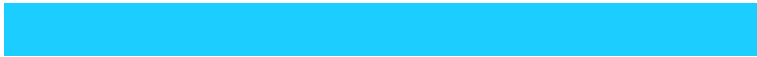
■ 97, 6.984, 221.629

100, 0.044,
108.435

Harmonies

Complementary

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



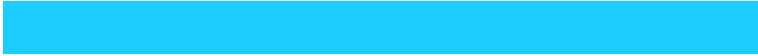
77, 43.209, 235.375



58, 91.047, 43.772

Rectangle

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



77, 43.209, 235.375



77, 43.209, 285.375



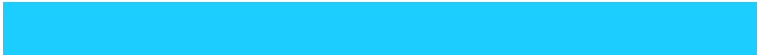
77, 43.209, 55.375



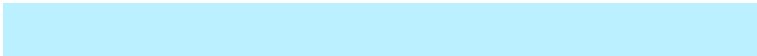
77, 43.209, 105.375

Sweetspot

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



77, 43.208, 235.375



92, 18.775, 222.611



88, 107.552, 139.866



48, 12.496, 222.889



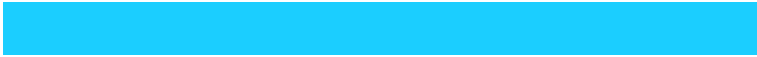
0, 0.000, 0.000



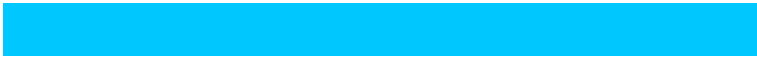
53, 0.007, 296.813

Same Dimension

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



77, 43.208, 235.375



75, 44.452, 239.673



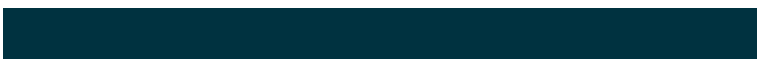
47, 93.339, 295.525



52, 4.165, 221.628



58, 35.708, 238.866



19, 16.207, 233.234

Inverse Universe

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



58, 96.812, 338.064



58, 97.593, 339.332



80, 79.937, 80.644



50, 7.801, 331.622



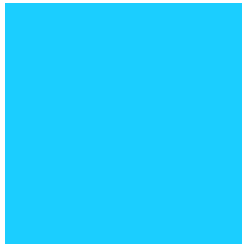
43, 78.821, 339.096



11, 36.963, 337.513

Previews

White Background



This preview shows how the CIE LCh color 77, 43.209, 235.375 looks on a white background.

Color Contrast Check

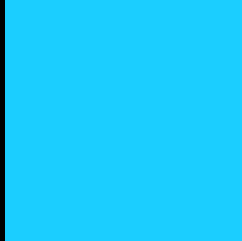
Large Text (above 18pt) WCAG AA × Fail

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, 43.209, 235.375 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, 43.209, 235.375

Background



This preview shows how black text looks on a background with the CIELCh color 77, 43.209, 235.375.



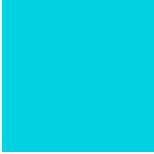
This preview shows how white text looks on a background with the CIELCh color 77, 43.209, 235.375.

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

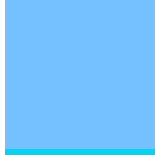
Trichromacy



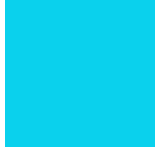
Original Color
77, 43.209, 235.375



Protanomaly
75, 34.137, 256.060



Deuteranomaly
76, 38.254, 260.300



Tritanomaly
77, 41.458, 218.425

Monochromacy



Original Color
77, 43.209, 235.375



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 22.416, 224.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 43.209, 235.375 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(27, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(27, 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(27, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 43.209, 235.375 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(27, 206, 255) }
```

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

```
.border{ border-color:rgb(27, 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(27, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(27, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 43.209, 235.375 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 206, 255) }
```

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

```
.background{ background-color: rgb(27, 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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