

Converting Colors

CIELCh(77, 43.139, 236.437)

Have a look what the booklet for
CIELCh(77, 43.139, 236.437)
contains.

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Color

CIELCh(77, 42.962, 235.645)

Conversions

Conversions Part 1

Format	Color
Hex	20CEFF
RGB	32, 206, 255
RGB Percent	13%, 81%, 100%
CMY	0.8734, 0.1932, 0.0011
CMYK	0.87, 0.19, 0.00, 0.00
HSL	193°, 100%, 56%
HSV	193°, 87%, 100%
XYZ	40.6192, 51.5317, 102.1858
YIQ	159.5600, -119.4330, -21.6490

Conversions

Conversions Part 2

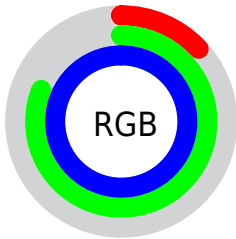
Format	Color
R _Y B	32, 130, 255
Decimal	2150143
CIE Lab	77.00, -24.24, -35.47
CIE LCh	77, 42.962, 235.645
Yxy	51.5317, 0.2090, 0.2652
Android (android.graphics.Color)	4280340223 (0xFF20CEFF)
YUV	159.5600, 47.0519, -111.8701
Hunter-Lab	71.7856, -24.6224, -34.1486

Details

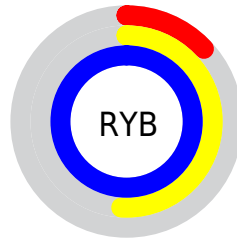
The CIELCh color **77, 42.962, 235.645** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **59, 88.580, 43.976**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 38.090, 197.085**, and **59, 37.186, 242.770** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.288, 239.736**, and if you desaturate by 10%, it is **79, 41.007, 232.228**.

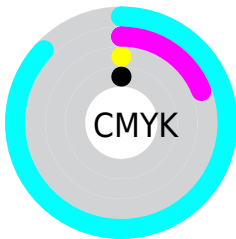
Distribution



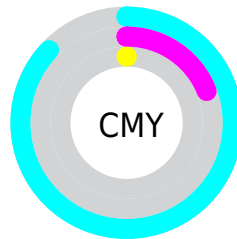
- Red (13%)
- Green (81%)
- Blue (100%)



- Red (13%)
- Yellow (51%)
- Blue (100%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)



- Cyan (87%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 42.962, 235.645 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, 42.962, 235.645 by changing the saturation by 10% instead.


 77, 42.962,
235.645

 77, 42.962,
235.645


 100, 42.962,
235.645


 67, 42.962,
235.645


 97, 42.962,
235.645

 57, 42.962,
235.645

 47, 42.962,
235.645

 37, 42.962,
235.645

 27, 42.962,
235.645

 17, 42.962,
235.645

 7, 42.962, 235.645

■ 0, 42.962, 235.645

■ 77, 42.962,
235.645

■ 77, 42.962,
235.645

■ 75, 44.288,
239.736

■ 79, 41.007,
232.228

■ 75, 44.611,
240.884

■ 81, 38.253,
229.470

■ 83, 34.630,
227.295

■ 86, 30.151,
225.611

■ 89, 24.884,
224.329

■ 91, 18.926,
223.373

■ 94, 12.387,
222.681

■ 98, 5.378, 222.238

100, 0.125,
109.549

Harmonies

Complementary

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



77, 42.962, 235.645



59, 88.580, 43.976

Rectangle

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



77, 42.962, 235.645



77, 42.962, 285.645



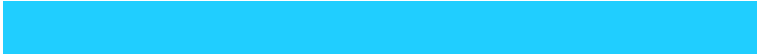
77, 42.962, 55.645



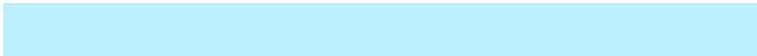
77, 42.962, 105.645

Sweetspot

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



77, 42.961, 235.645



92, 18.105, 223.267



88, 104.881, 140.678



48, 12.125, 223.554



0, 0.000, 0.000



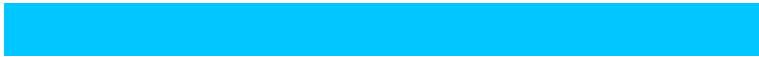
53, 0.007, 296.813

Same Dimension

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



77, 42.961, 235.645



75, 44.647, 240.887



47, 93.089, 295.661



52, 4.155, 222.308



57, 35.852, 240.064



18, 16.238, 234.303

Inverse Universe

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



59, 95.895, 338.126



57, 97.194, 339.692



81, 79.349, 82.553



50, 7.770, 331.823



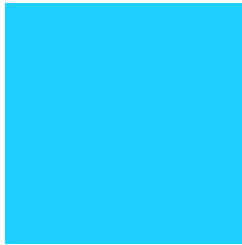
43, 78.502, 339.447



11, 36.828, 337.806

Previews

White Background



This preview shows how the CIELCh color 77, 42.962, 235.645 looks on a white background.

Color Contrast Check

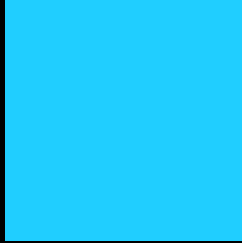
Large Text (above 18pt) WCAG AA × Fail

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, 42.962, 235.645 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, 42.962, 235.645

Background



This preview shows how black text looks on a background with the CIELCh color 77, 42.962, 235.645.

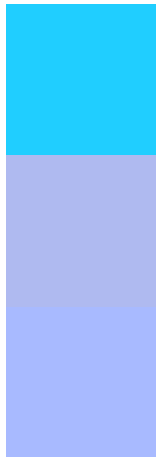


This preview shows how white text looks on a background with the CIELCh color 77, 42.962, 235.645.

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

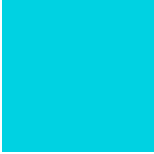
77, 43.006, 235.596

Protanopia

76, 29.173, 285.878

Deuteranopia

76, 37.321, 285.074



Tritanopia
77, 41.784, 208.674

Trichromacy



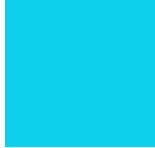
Original Color
77, 43.006, 235.596



Protanomaly
75, 33.491, 256.060

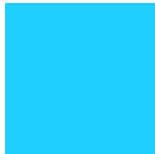


Deuteranomaly
76, 38.046, 260.879



Tritanomaly
77, 41.266, 218.556

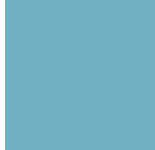
Monochromacy



Original Color
77, 43.006, 235.596



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 21.945, 225.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 42.962, 235.645 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(32, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(32, 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(32, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 206, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 42.962, 235.645 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(32, 206, 255) }
```

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

```
.border{ border-color:rgb(32, 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(32, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(32, 206,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 42.962, 235.645 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 206, 255) }
```

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

```
.background{ background-color: rgb(32, 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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