

Converting Colors

CIELCh(77, 42.021, 208.220)

Have a look what the booklet for
CIELCh(77, 42.021, 208.220)
contains.

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Color

CIELCh(77, 41.784, 208.674)

Conversions

Conversions Part 1

Format	Color
Hex	00D2E2
RGB	0, 210, 226
RGB Percent	0%, 82%, 89%
CMY	1.0000, 0.1768, 0.1141
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 100%, 44%
HSV	184°, 100%, 89%
XYZ	36.7330, 51.5317, 79.8979
YIQ	149.0340, -130.2960, -39.5440

Conversions

Conversions Part 2

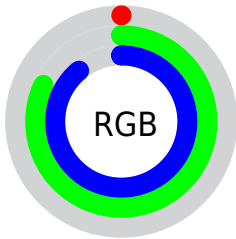
Format	Color
RYB	0, 109, 226
Decimal	53986
CIELab	77.00, -36.66, -20.05
CIELCh	77, 41.784, 208.674
Yxy	51.5317, 0.2184, 0.3064
Android (android.graphics.Color)	4278244066 (0xFF00D2E2)
YUV	149.0340, 37.9442, -130.7028
Hunter-Lab	71.7856, -34.2856, -15.7402

Details

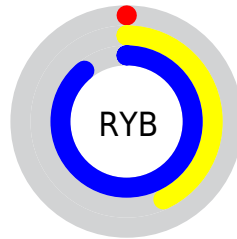
The CIELCh color **77, 41.784, 208.674** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **48, 94.478, 40.619**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.183, 196.962**, and **58, 33.266, 212.803** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.771, 208.677**, and if you desaturate by 10%, it is **78, 41.414, 207.552**.

Distribution



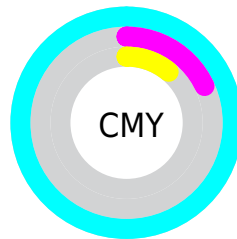
- Red (0%)
- Green (82%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (18%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 41.784, 208.674 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, 41.784, 208.674 by changing the saturation by 10% instead.


 77, 41.784,
208.674


 77, 41.784,
208.674


 100, 41.784,
208.674


 67, 41.784,
208.674


 97, 41.784,
208.674

 57, 41.784,
208.674

 47, 41.784,
208.674

 37, 41.784,
208.674

 27, 41.784,
208.674

 17, 41.784,
208.674

 7, 41.784, 208.674

■ 0, 41.784, 208.674

■ 77, 41.784,
208.674

■ 77, 41.784,
208.674

■ 77, 41.771,
208.677

■ 78, 41.414,
207.552

■ 78, 40.310,
206.643

■ 79, 38.262,
205.969

■ 80, 35.226,
205.505

■ 81, 31.223,
205.229

■ 83, 26.323,
205.113

■ 84, 20.630,
205.135

■ 86, 14.263,
205.275

■ 88, 7.347, 205.533

Harmonies

Complementary

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



77, 41.784, 208.674



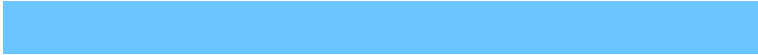
48, 94.478, 40.619

Rectangle

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



77, 41.784, 208.674



77, 41.784, 258.674



77, 41.784, 28.674



77, 41.784, 78.674

Sweetspot

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



77, 41.771, 208.677



94, 22.741, 205.133



79, 108.137, 136.456



49, 15.242, 205.110



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, 41.771, 208.677



86, 45.753, 208.768



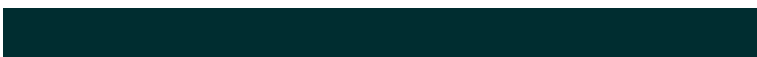
45, 76.061, 290.514



46, 4.155, 205.552



61, 34.696, 208.456



16, 14.430, 206.325

Inverse Universe

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



53, 99.687, 331.310



59, 109.202, 331.332



63, 76.184, 65.845



44, 7.769, 326.919



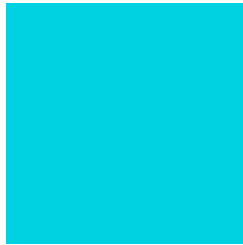
41, 82.778, 331.255



7, 34.260, 330.720

Previews

White Background



This preview shows how the CIELCh color 77, 41.784, 208.674 looks on a white background.

Color Contrast Check

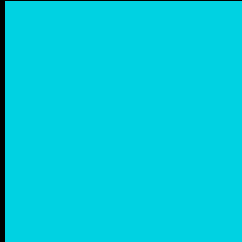
Large Text (above 18pt) WCAG AA × Fail

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, 41.784, 208.674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

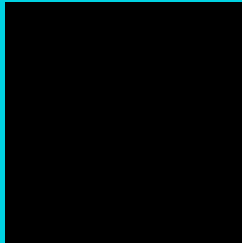
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 41.784, 208.674

Background



This preview shows how black text looks on a background with the CIELCh color 77, 41.784, 208.674.

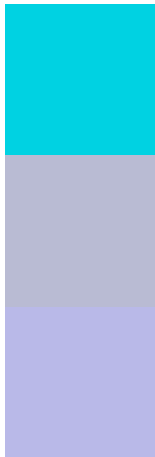


This preview shows how white text looks on a background with the CIELCh color 77, 41.784, 208.674.

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](#).

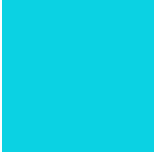
Dichromacy



Original Color
77, 41.784, 208.674

Protanopia
76, 12.925, 288.274

Deuteranopia
77, 25.308, 292.484

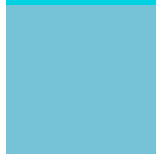


Tritanopia
77, 41.480, 209.565

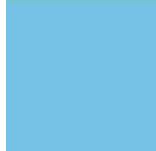
Trichromacy



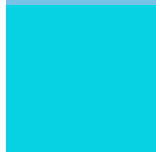
Original Color
77, 41.784, 208.674



Protanomaly
75, 25.614, 224.405



Deuteranomaly
75, 28.808, 241.021

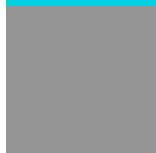


Tritanomaly
77, 41.578, 209.529

Monochromacy



Original Color
77, 41.784, 208.674



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.252, 205.441

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 41.784, 208.674 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(0, 210, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 226)  
}
```

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(0, 210, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 226) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 41.784, 208.674 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(0, 210, 226) }
```

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

```
.border{ border-color:rgb(0, 210, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 210, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
226) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 41.784, 208.674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 210, 226) }
```

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

```
.background{ background-color: rgb(0, 210,  
226) }
```

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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