

Converting Colors

CIELCh(75, 55.080, 213.359)

Have a look what the booklet for
CIELCh(75, 55.080, 213.359)
contains.

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Color

CIELCh(77, 41.792, 219.873)

Conversions

Conversions Part 1

Format	Color
Hex	00D0EE
RGB	0, 208, 238
RGB Percent	0%, 82%, 93%
CMY	1.0000, 0.1824, 0.0648
CMYK	1.00, 0.13, 0.00, 0.06
HSL	188°, 100%, 47%
HSV	188°, 100%, 94%
XYZ	38.1381, 51.5317, 89.1970
YIQ	149.2280, -133.5980, -34.7660

Conversions

Conversions Part 2

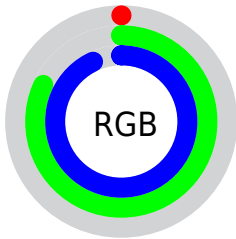
Format	Color
RYB	0, 111, 238
Decimal	53486
CIELab	77.00, -32.07, -26.79
CIELCh	77, 41.792, 219.873
Yxy	51.5317, 0.2132, 0.2881
Android (android.graphics.Color)	4278243566 (0xFF00D0EE)
YUV	149.2280, 43.7646, -130.8730
Hunter-Lab	71.7856, -30.7918, -23.4207

Details

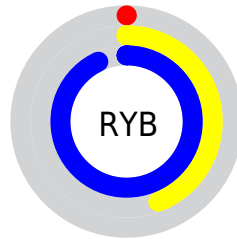
The CIELCh color **77, 41.792, 219.873** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **51, 97.266, 41.375**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.001, 196.972**, and **58, 33.801, 226.647** is the 20% darker color. If you saturate the color by 10%, you get **77, 41.719, 219.918**, and if you desaturate by 10%, it is **78, 41.336, 217.632**.

Distribution



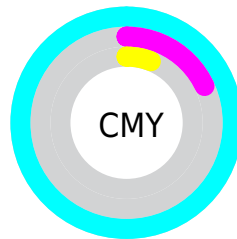
- Red (0%)
- Green (82%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (18%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 41.792, 219.873 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, 41.792, 219.873 by changing the saturation by 10% instead.


 77, 41.792,
219.873


 77, 41.792,
219.873


 100, 41.792,
219.873


 67, 41.792,
219.873


 97, 41.792,
219.873

 57, 41.792,
219.873

 47, 41.792,
219.873

 37, 41.792,
219.873

 27, 41.792,
219.873

 17, 41.792,
219.873

 7, 41.792, 219.873

0, 41.792, 219.873

77, 41.792,
219.873

77, 41.792,
219.873

77, 41.719,
219.918

78, 41.336,
217.632

79, 40.226,
215.744

80, 38.180,
214.268

82, 35.147,
213.154

84, 31.147,
212.347

85, 26.253,
211.795

■ 87, 20.571,
211.454

■ 90, 14.221,
211.288

■ 92, 7.326, 211.282

Harmonies

Complementary

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



77, 41.792, 219.873



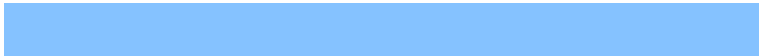
51, 97.266, 41.375

Rectangle

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



77, 41.792, 219.873



77, 41.792, 269.873



77, 41.792, 39.873



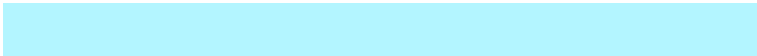
77, 41.792, 89.873

Sweetspot

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



77, 41.719, 219.918



93, 21.709, 211.457



83, 111.338, 136.938



48, 14.553, 211.579



0, 0.000, 0.000



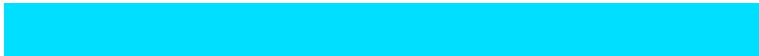
53, 0.007, 296.813

Same Dimension

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



77, 41.719, 219.918



82, 43.880, 220.015



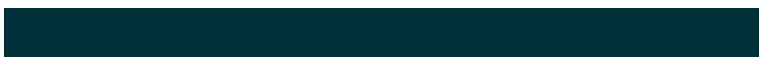
44, 87.035, 294.203



49, 4.186, 211.287



61, 34.325, 219.479



18, 15.135, 215.862

Inverse Universe

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



55, 99.391, 334.072



59, 104.522, 334.097



69, 78.601, 70.365



47, 7.895, 328.601



42, 81.828, 333.963



10, 36.211, 333.071

Previews

White Background



This preview shows how the CIE LCh color 77, 41.792, 219.873 looks on a white background.

Color Contrast Check

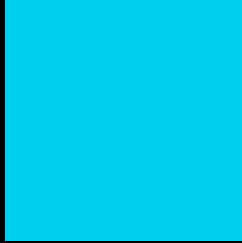
Large Text (above 18pt) WCAG AA × Fail

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, 41.792, 219.873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

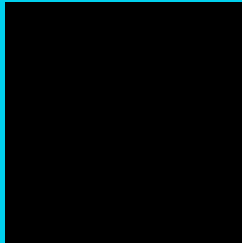
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 77, 41.792, 219.873

Background



This preview shows how black text looks on a background with the CIELCh color 77, 41.792, 219.873.

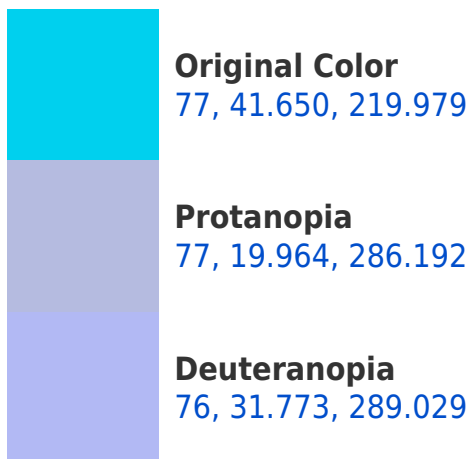


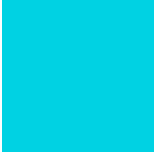
This preview shows how white text looks on a background with the CIELCh color 77, 41.792, 219.873.

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



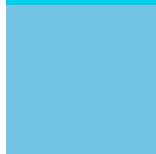


Tritanopia
77, 41.748, 209.465

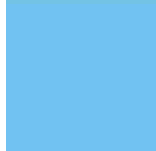
Trichromacy



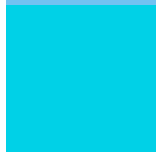
Original Color
77, 41.650, 219.979



Protanomaly
75, 28.953, 237.788



Deuteranomaly
75, 33.436, 249.649

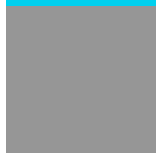


Tritanomaly
77, 41.528, 213.512

Monochromacy



Original Color
77, 41.650, 219.979



Achromatopsia
62, 0.008, 296.813



Achromatomaly
66, 24.295, 212.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 41.792, 219.873 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, 208, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 208, 238)  
}
```

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, 208, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 208, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 41.792, 219.873 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, 208, 238) }
```

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

```
.border{ border-color:rgb(0, 208, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 208, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 208, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 208, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 208,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 41.792, 219.873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 208, 238) }
```

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

```
.background{ background-color: rgb(0, 208,  
238) }
```

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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