

Converting Colors

CIELCh(75, 41.550, 228.360)

Have a look what the booklet for
CIELCh(75, 41.550, 228.360)
contains.

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Color

CIELCh(75, 41.601, 228.846)

Conversions

Conversions Part 1

Format	Color
Hex	07C9F1
RGB	7, 201, 241
RGB Percent	3%, 79%, 95%
CMY	0.9710, 0.2110, 0.0541
CMYK	0.97, 0.17, 0.00, 0.05
HSL	190°, 94%, 49%
HSV	190°, 97%, 95%
XYZ	36.9337, 48.2781, 90.7540
YIQ	147.5540, -128.4640, -28.6880

Conversions

Conversions Part 2

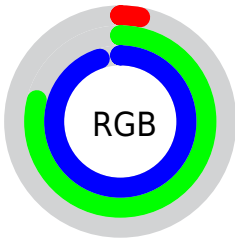
Format	Color
RYB	7, 113, 241
Decimal	510449
CIELab	75.00, -27.38, -31.32
CIELCh	75, 41.601, 228.846
Yxy	48.2781, 0.2099, 0.2744
Android (android.graphics.Color)	4278700529 (0xFF07C9F1)
YUV	147.5540, 46.0689, -123.2659
Hunter-Lab	69.4824, -26.7118, -28.8035

Details

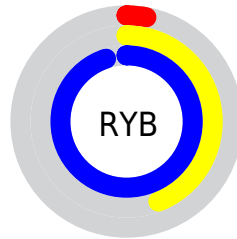
The CIELCh color **75, 41.601, 228.846** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **53, 94.657, 42.201**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.818, 196.983**, and **56, 34.623, 236.748** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.777, 229.873**, and if you desaturate by 10%, it is **76, 40.809, 225.708**.

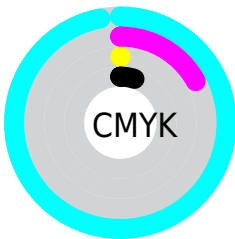
Distribution



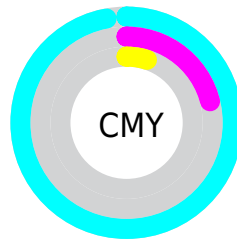
- Red (3%)
- Green (79%)
- Blue (95%)



- Red (3%)
- Yellow (44%)
- Blue (95%)



- Cyan (97%)
- Magenta (17%)
- Yellow (0%)
- Black (5%)





- Cyan (97%)
- Magenta (21%)
- Yellow (5%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 41.601, 228.846 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 75, 41.601, 228.846 by changing the saturation by 10% instead.


 75, 41.601,
228.846


 75, 41.601,
228.846


 100, 41.601,
228.846


 65, 41.601,
228.846


 95, 41.601,
228.846

 55, 41.601,
228.846

 45, 41.601,
228.846

 35, 41.601,
228.846

 25, 41.601,
228.846

 15, 41.601,
228.846

 5, 41.601, 228.846

■ 0, 41.601, 228.846

■ 75, 41.601,
228.846

■ 75, 41.601,
228.846

■ 75, 41.777,
229.873

■ 76, 40.809,
225.708

■ 78, 39.262,
223.148

■ 80, 36.825,
221.125

■ 81, 33.456,
219.566

■ 83, 29.187,
218.396

■ 86, 24.098,
217.544

■ 88, 18.294,
216.950

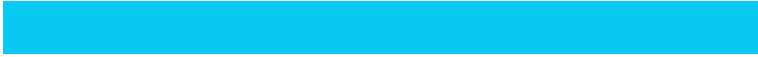
■ 91, 11.893,
216.567

■ 93, 5.007, 216.397

Harmonies

Complementary

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



75, 41.601, 228.846



53, 94.657, 42.201

Rectangle

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



75, 41.601, 228.846



75, 41.601, 278.846



75, 41.601, 48.846



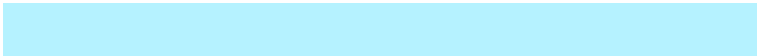
75, 41.601, 98.846

Sweetspot

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



75, 41.600, 228.846



92, 20.439, 217.058



84, 108.976, 138.040



48, 13.789, 217.305



0, 0.000, 0.000



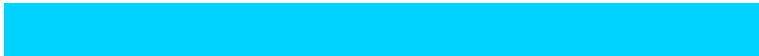
53, 0.007, 296.813

Same Dimension

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



75, 41.600, 228.846



78, 43.576, 229.986



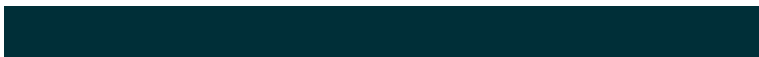
43, 92.318, 296.179



49, 4.054, 216.413



58, 34.033, 229.228



17, 14.875, 224.070

Inverse Universe

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



55, 96.597, 336.331



58, 100.875, 336.642



73, 78.334, 75.898



47, 7.647, 330.091



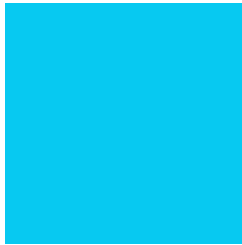
42, 79.025, 336.443



9, 35.130, 335.114

Previews

White Background



This preview shows how the CIE LCh color 75, 41.601, 228.846 looks on a white background.

Color Contrast Check

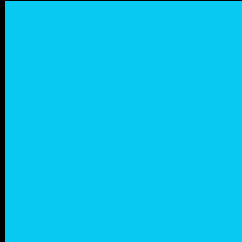
Large Text (above 18pt) WCAG AA × Fail

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 75, 41.601, 228.846 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 75, 41.601, 228.846

Background



This preview shows how black text looks on a background with the CIELCh color 75, 41.601, 228.846.

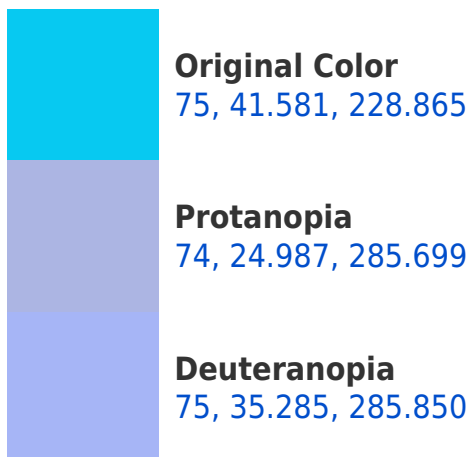


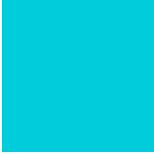
This preview shows how white text looks on a background with the CIELCh color 75, 41.601, 228.846.

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



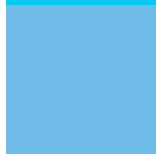


Tritanopia
75, 40.870, 209.022

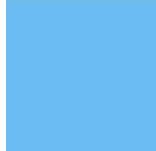
Trichromacy



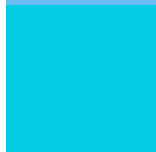
Original Color
75, 41.581, 228.865



Protanomaly
73, 31.377, 248.401



Deuteranomaly
73, 36.322, 255.892

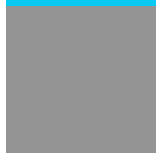


Tritanomaly
75, 40.623, 216.496

Monochromacy



Original Color
75, 41.581, 228.865



Achromatopsia
61, 0.008, 296.813



Achromatomaly
65, 23.167, 219.053

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 41.601, 228.846 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(7, 201, 241)` looks like.

```
.text, #text, p{  
    color:rgb(7, 201, 241)  
}
```

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(7, 201, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 201, 241) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 41.601, 228.846 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(7, 201, 241) }
```

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

```
.border{ border-color:rgb(7, 201, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 201, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 201, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 201, 241);  
box-shadow:4px 4px 4px 4px rgb(7, 201,  
241) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 41.601, 228.846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 201, 241) }
```

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

```
.background{ background-color: rgb(7, 201,  
241) }
```

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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