

Converting Colors

CIELCh(75, 44.701, 188.269)

Have a look what the booklet for
CIELCh(75, 44.701, 188.269)
contains.

CIELCh(75, 44.590, 188.466)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(75, 44.590, 188.466)

Conversions

Conversions Part 1

Format	Color
Hex	04CEC3
RGB	4, 206, 195
RGB Percent	2%, 81%, 76%
CMY	0.9849, 0.1909, 0.2340
CMYK	0.98, 0.00, 0.05, 0.19
HSL	177°, 96%, 41%
HSV	177°, 98%, 81%
XYZ	32.0834, 48.2781, 59.4448
YIQ	144.3480, -116.8610, -46.2450

Conversions

Conversions Part 2

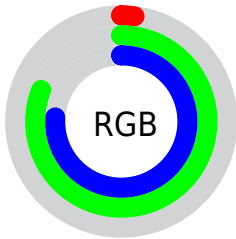
Format	Color
R_{YB}	4, 108, 206
Decimal	315075
CIE Lab	75.00, -44.10, -6.56
CIE LCh	75, 44.590, 188.466
Yxy	48.2781, 0.2295, 0.3453
Android (android.graphics.Color)	4278505155 (0xFF04CEC3)
YUV	144.3480, 24.9714, -123.0852
Hunter-Lab	69.4824, -39.1723, -2.0871

Details

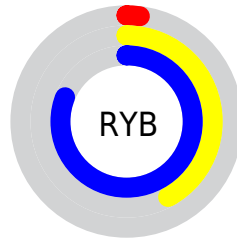
The CIELCh color **75, 44.590, 188.466** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed cyan. A complement of this color would be **43, 85.947, 37.632**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.390, 193.979**, and **56, 35.872, 186.888** is the 20% darker color. If you saturate the color by 10%, you get **75, 44.744, 188.333**, and if you desaturate by 10%, it is **75, 43.589, 189.171**.

Distribution



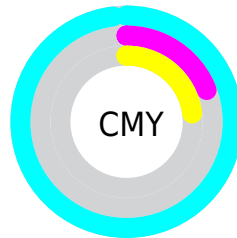
- Red (2%)
- Green (81%)
- Blue (76%)



- Red (2%)
- Yellow (42%)
- Blue (81%)



- Cyan (98%)
- Magenta (0%)
- Yellow (5%)
- Black (19%)



- Cyan (98%)
- Magenta (19%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 44.590, 188.466 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, 44.590, 188.466 by changing the saturation by 10% instead.

 75, 44.590,
188.466

 75, 44.590,
188.466

 100, 44.590,
188.466

 65, 44.590,
188.466

 95, 44.590,
188.466

 55, 44.590,
188.466

 45, 44.590,
188.466

 35, 44.590,
188.466

 25, 44.590,
188.466

 15, 44.590,
188.466

 5, 44.590, 188.466

■ 0, 44.590, 188.466

■ 75, 44.590,
188.466

■ 75, 44.590,
188.466

■ 75, 44.744,
188.333

■ 75, 43.589,
189.171

■ 75, 41.816,
189.841

■ 76, 39.141,
190.485

■ 76, 35.540,
191.117

■ 77, 31.046,
191.748

■ 78, 25.734,
192.386

■ 79, 19.711,
193.038

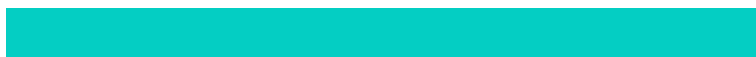
■ 80, 13.098,
193.710

■ 82, 6.018, 194.429

Harmonies

Complementary

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



75, 44.590, 188.466



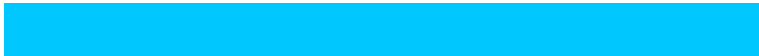
43, 85.947, 37.632

Rectangle

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



75, 44.590, 188.466



75, 44.590, 238.466



75, 44.590, 8.466



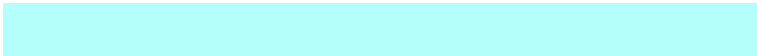
75, 44.590, 58.466

Sweetspot

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



75, 44.590, 188.465



95, 24.029, 192.957



73, 101.308, 135.816



50, 16.232, 192.675



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, 44.590, 188.465



91, 52.524, 188.238



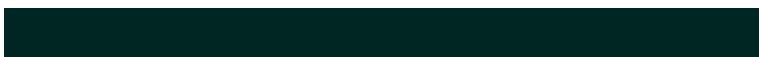
49, 53.175, 276.231



42, 4.148, 194.332



61, 37.990, 188.450



13, 13.994, 190.029

Inverse Universe

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



43, 85.947, 37.632



53, 102.483, 38.502



53, 74.057, 55.525



40, 4.375, 15.524



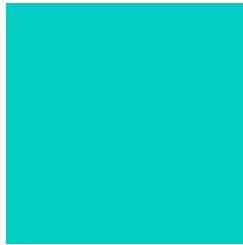
34, 73.361, 37.580



4, 17.941, 16.725

Previews

White Background



This preview shows how the CIELCh color 75, 44.590, 188.466 looks on a white background.

Color Contrast Check

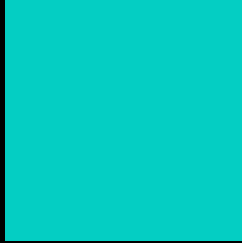
Large Text (above 18pt) WCAG AA × Fail

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, 44.590, 188.466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

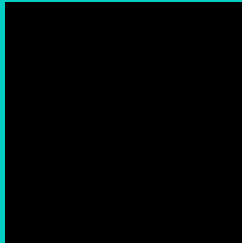
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

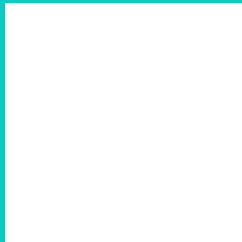
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 44.590, 188.466

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.590, 188.466.

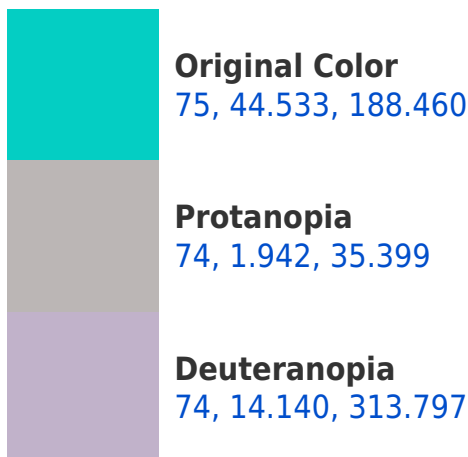


This preview shows how white text looks on a background with the CIELCh color 75, 44.590, 188.466.

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, 38.434, 209.974

Trichromacy



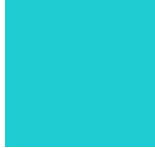
Original Color
75, 44.533, 188.460



Protanomaly
73, 23.823, 190.970



Deuteranomaly
73, 21.395, 215.836



Tritanomaly
75, 40.374, 201.231

Monochromacy



Original Color
75, 44.533, 188.460



Achromatopsia
60, 0.008, 296.813



Achromatomaly
64, 24.315, 192.030

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.590, 188.466 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(4, 206, 195)` looks like.

```
.text, #text, p{  
    color:rgb(4, 206, 195)  
}
```

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(4, 206, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 206, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.590, 188.466 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(4, 206, 195) }
```

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

```
.border{ border-color:rgb(4, 206, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 206, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 206, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 206, 195);  
box-shadow:4px 4px 4px 4px rgb(4, 206,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.590, 188.466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 206, 195) }
```

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

```
.background{ background-color: rgb(4, 206,  
195) }
```

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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