

Converting Colors

CIELCh(75, 57.877, 165.108)

Have a look what the booklet for
CIELCh(75, 57.877, 165.108)
contains.

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Color

CIELCh(75, 58.243, 164.804)

Conversions

Conversions Part 1

Format	Color
Hex	00D29B
RGB	0, 210, 155
RGB Percent	0%, 82%, 61%
CMY	0.9991, 0.1778, 0.3934
CMYK	1.00, 0.00, 0.26, 0.18
HSL	164°, 100%, 41%
HSV	164°, 100%, 82%
XYZ	28.8524, 48.2781, 38.6664
YIQ	140.9400, -107.5050, -61.6250

Conversions

Conversions Part 2

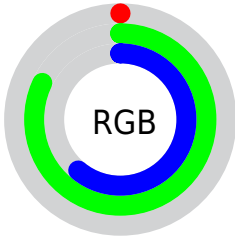
Format	Color
RYB	0, 121, 210
Decimal	53915
CIELab	75.00, -56.21, 15.27
CIELCh	75, 58.243, 164.804
Yxy	48.2781, 0.2492, 0.4169
Android (android.graphics.Color)	4278243995 (0xFF00D29B)
YUV	140.9400, 6.9316, -123.6044
Hunter-Lab	69.4824, -47.4727, 15.6433

Details

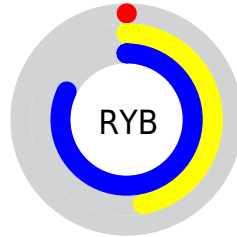
The CIELCh color **75, 58.243, 164.804** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **44, 77.372, 24.889**, and the grayscale version is **59, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 51.534, 169.290**, and **56, 49.713, 160.291** is the 20% darker color. If you saturate the color by 10%, you get **75, 58.271, 164.782**, and if you desaturate by 10%, it is **75, 55.599, 166.841**.

Distribution



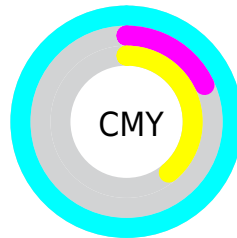
- Red (0%)
- Green (82%)
- Blue (61%)



- Red (0%)
- Yellow (47%)
- Blue (82%)



- Cyan (100%)
- Magenta (0%)
- Yellow (26%)
- Black (18%)





- Cyan (100%)
- Magenta (18%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 58.243, 164.804 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, 58.243, 164.804 by changing the saturation by 10% instead.


 75, 58.243,
164.804


 75, 58.243,
164.804


 100, 58.243,
164.804


 65, 58.243,
164.804


 95, 58.243,
164.804

 55, 58.243,
164.804

 45, 58.243,
164.804

 35, 58.243,
164.804

 25, 58.243,
164.804

 15, 58.243,
164.804

 5, 58.243, 164.804

■ 0, 58.243, 164.804

■ 75, 58.243,
164.804

■ 75, 58.243,
164.804

■ 75, 58.271,
164.782

■ 75, 55.599,
166.841

■ 76, 52.278,
168.731

■ 76, 48.102,
170.430

■ 77, 43.061,
171.953

■ 77, 37.209,
173.323

■ 78, 30.646,
174.566

■ 80, 23.501,
175.704

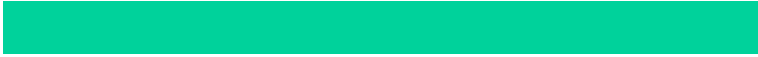
■ 81, 15.910,
176.760

■ 82, 8.006, 177.766

Harmonies

Complementary

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



75, 58.243, 164.804



44, 77.372, 24.889

Rectangle

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



75, 58.243, 164.804



75, 58.243, 214.804



75, 58.243, 344.804



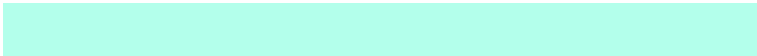
75, 58.243, 34.804

Sweetspot

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



75, 58.243, 164.803



95, 27.621, 175.655



74, 100.343, 133.817



50, 18.672, 175.179



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, 58.243, 164.803



89, 67.801, 164.525



62, 38.866, 243.123



43, 4.584, 177.815



61, 49.226, 165.131



14, 17.643, 169.827

Inverse Universe

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



44, 77.372, 24.889



54, 90.184, 25.649



47, 84.533, 44.385



41, 4.727, 359.444



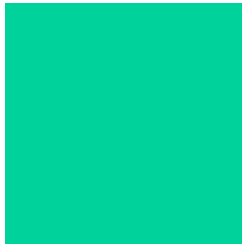
35, 65.324, 23.979



4, 20.370, 7.370

Previews

White Background



This preview shows how the CIELCh color 75, 58.243, 164.804 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, 58.243, 164.804 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

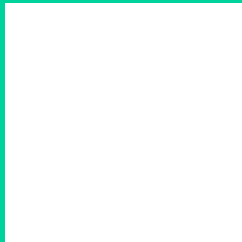
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 58.243, 164.804

Background



This preview shows how black text looks on a background with the CIELCh color 75, 58.243, 164.804.

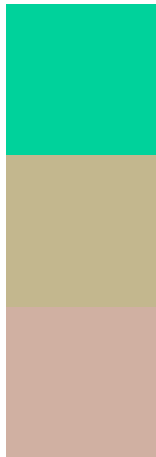


This preview shows how white text looks on a background with the CIELCh color 75, 58.243, 164.804.

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

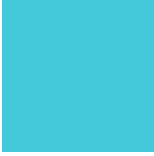
75, 58.300, 164.832

Protanopia

74, 22.534, 95.550

Deuteranopia

74, 14.823, 50.661



Tritanopia
75, 35.609, 212.152

Trichromacy



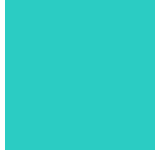
Original Color
75, 58.300, 164.832



Protanomaly
73, 35.651, 152.597



Deuteranomaly
72, 25.965, 159.996



Tritanomaly
75, 41.668, 189.611

Monochromacy



Original Color
75, 58.300, 164.832



Achromatopsia
59, 0.008, 296.813



Achromatomaly
63, 28.682, 173.891

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 58.243, 164.804 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, 155)` looks like.

```
.text, #text, p{  
    color:rgb(0, 210, 155)  
}
```

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, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 210, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 58.243, 164.804 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, 155) }
```

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

```
.border{ border-color:rgb(0, 210, 155) }
```

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, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 210, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 210, 155);  
box-shadow:4px 4px 4px 4px rgb(0, 210,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 58.243, 164.804 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, 155) }
```

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

```
.background{ background-color: rgb(0, 210,  
155) }
```

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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