

Converting Colors

CIELCh(75, 54.485, 169.028)

Have a look what the booklet for
CIELCh(75, 54.485, 169.028)
contains.

CIELCh(75, 54.492, 169.063)	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, 54.492, 169.063)

Conversions

Conversions Part 1

Format	Color
Hex	07D1A4
RGB	7, 209, 164
RGB Percent	3%, 82%, 64%
CMY	0.9743, 0.1807, 0.3572
CMYK	0.97, 0.00, 0.22, 0.18
HSL	167°, 94%, 42%
HSV	167°, 97%, 82%
XYZ	29.5546, 48.2781, 42.8447
YIQ	143.4720, -105.9470, -56.8190

Conversions

Conversions Part 2

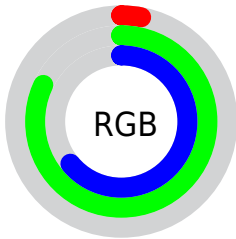
Format	Color
RYB	7, 121, 209
Decimal	512420
CIELab	75.00, -53.50, 10.34
CIElCh	75, 54.492, 169.063
Yxy	48.2781, 0.2449, 0.4001
Android (android.graphics.Color)	4278702500 (0xFF07D1A4)
YUV	143.4720, 10.1203, -119.6859
Hunter-Lab	69.4824, -45.6688, 12.0780

Details

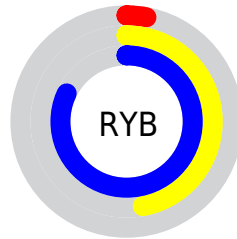
The CIELCh color **75, 54.492, 169.063** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **44, 77.507, 26.604**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 48.679, 173.784**, and **56, 46.093, 164.835** is the 20% darker color. If you saturate the color by 10%, you get **75, 55.175, 168.467**, and if you desaturate by 10%, it is **75, 52.082, 170.945**.

Distribution



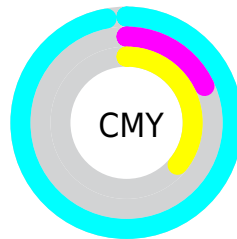
- Red (3%)
- Green (82%)
- Blue (64%)



- Red (3%)
- Yellow (47%)
- Blue (82%)



- Cyan (97%)
- Magenta (0%)
- Yellow (22%)
- Black (18%)





- Cyan (97%)
- Magenta (18%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 54.492, 169.063 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, 54.492, 169.063 by changing the saturation by 10% instead.


 75, 54.492,
169.063


 75, 54.492,
169.063


 100, 54.492,
169.063


 65, 54.492,
169.063


 95, 54.492,
169.063

 55, 54.492,
169.063

 45, 54.492,
169.063

 35, 54.492,
169.063

 25, 54.492,
169.063

 15, 54.492,
169.063

 5, 54.492, 169.063

■ 0, 54.492, 169.063

■ 75, 54.492,
169.063

■ 75, 54.492,
169.063

■ 75, 55.175,
168.467

■ 75, 52.082,
170.945

■ 76, 48.881,
172.654

■ 76, 44.807,
174.189

■ 77, 39.863,
175.572

■ 78, 34.115,
176.827

■ 79, 27.669,
177.978

■ 80, 20.652,
179.045

■ 81, 13.200,
180.050

■ 83, 5.439, 181.041

Harmonies

Complementary

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



75, 54.492, 169.063



44, 77.507, 26.604

Rectangle

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



75, 54.492, 169.063



75, 54.492, 219.063



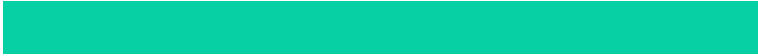
75, 54.492, 349.063



75, 54.492, 39.063

Sweetspot

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



75, 54.492, 169.062



95, 26.072, 178.787



74, 99.738, 134.177



50, 17.707, 178.329



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, 54.492, 169.062



90, 64.337, 168.221



60, 39.714, 248.624



43, 4.489, 180.782



61, 46.774, 168.788



14, 16.938, 173.129

Inverse Universe

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



44, 77.507, 26.604



54, 92.513, 28.926



48, 80.860, 45.811



41, 4.648, 2.383



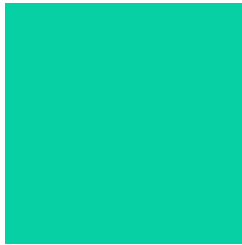
35, 66.882, 27.302



4, 20.263, 9.192

Previews

White Background



This preview shows how the CIELCh color 75, 54.492, 169.063 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 CIE LCh color 75, 54.492, 169.063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

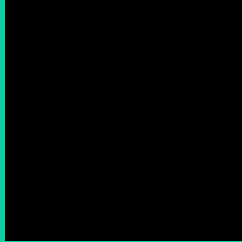
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

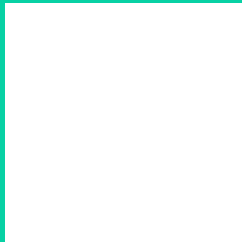
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 54.492, 169.063

Background



This preview shows how black text looks on a background with the CIELCh color 75, 54.492, 169.063.

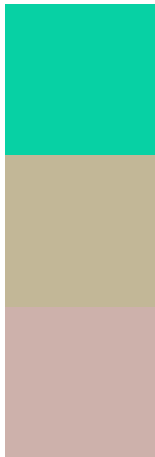


This preview shows how white text looks on a background with the CIELCh color 75, 54.492, 169.063.

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](#).

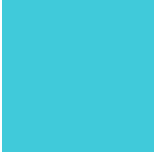
Dichromacy



Original Color
75, 54.492, 169.063

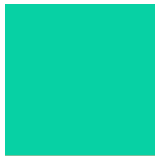
Protanopia
75, 17.748, 94.169

Deuteranopia
74, 11.360, 36.668



Tritanopia
75, 36.311, 210.896

Trichromacy



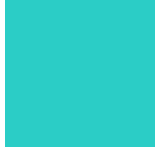
Original Color
75, 54.492, 169.063



Protanomaly
73, 31.040, 158.116



Deuteranomaly
72, 23.224, 168.098



Tritanomaly
75, 41.460, 191.131

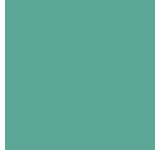
Monochromacy



Original Color
75, 54.492, 169.063



Achromatopsia
59, 0.008, 296.813



Achromatomaly
64, 27.051, 177.699

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 54.492, 169.063 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, 209, 164)` looks like.

```
.text, #text, p{  
    color:rgb(7, 209, 164)  
}
```

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, 209, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 209, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 54.492, 169.063 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, 209, 164) }
```

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

```
.border{ border-color:rgb(7, 209, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 209, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 209, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 209, 164);  
box-shadow:4px 4px 4px 4px rgb(7, 209,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 54.492, 169.063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 209, 164) }
```

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

```
.background{ background-color: rgb(7, 209,  
164) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor