

Converting Colors

CIELCh(73, 57.055, 164.181)

Have a look what the booklet for
CIELCh(73, 57.055, 164.181)
contains.

CIELCh(73, 56.800, 164.372)	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(73, 56.800, 164.372)

Conversions

Conversions Part 1

Format	Color
Hex	0CCB95
RGB	12, 203, 149
RGB Percent	5%, 80%, 58%
CMY	0.9530, 0.2023, 0.4142
CMYK	0.94, 0.00, 0.27, 0.20
HSL	163°, 89%, 42%
HSV	163°, 94%, 80%
XYZ	27.0584, 45.1644, 35.8834
YIQ	139.7350, -96.5020, -57.2860

Conversions

Conversions Part 2

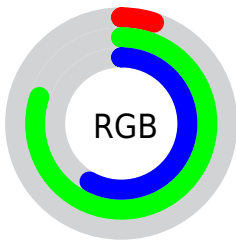
Format	Color
RYB	12, 123, 203
Decimal	838549
CIELab	73.00, -54.70, 15.30
CIELCh	73, 56.800, 164.372
Yxy	45.1644, 0.2503, 0.4178
Android (android.graphics.Color)	4279028629 (0xFF0CCB95)
YUV	139.7350, 4.5676, -112.0236
Hunter-Lab	67.2044, -45.7388, 15.3856

Details

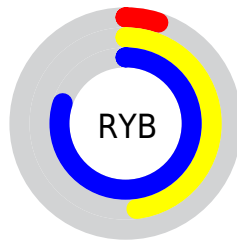
The CIELCh color **73, 56.800, 164.372** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark washed spring green. A complement of this color would be **43, 72.383, 19.935**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **91, 53.774, 166.050**, and **54, 49.003, 159.406** is the 20% darker color. If you saturate the color by 10%, you get **73, 58.389, 163.144**, and if you desaturate by 10%, it is **73, 53.693, 166.386**.

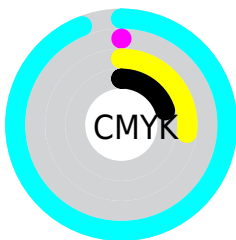
Distribution



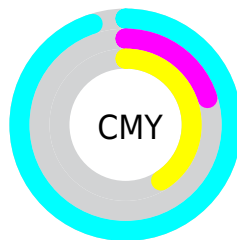
- Red (5%)
- Green (80%)
- Blue (58%)



- Red (5%)
- Yellow (48%)
- Blue (80%)



- Cyan (94%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)





- Cyan (95%)
- Magenta (20%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 56.800, 164.372 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 73, 56.800, 164.372 by changing the saturation by 10% instead.


 73, 56.800,
164.372


 73, 56.800,
164.372


 100, 56.800,
164.372


 63, 56.800,
164.372


 93, 56.800,
164.372

 53, 56.800,
164.372

 43, 56.800,
164.372

 33, 56.800,
164.372

 23, 56.800,
164.372

 13, 56.800,
164.372

 3, 56.800, 164.372

■ 0, 56.800, 164.372

■ 73, 56.800,
164.372

■ 73, 56.800,
164.372

■ 73, 58.389,
163.144

■ 73, 53.693,
166.386

■ 74, 49.786,
168.204

■ 74, 45.037,
169.833

■ 75, 39.477,
171.293

■ 76, 33.191,
172.608

■ 77, 26.298,
173.804

■ 78, 18.931,
174.903

■ 80, 11.221,
175.931

■ 81, 3.291, 176.978

Harmonies

Complementary

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



73, 56.800, 164.372



43, 72.383, 19.935

Rectangle

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



73, 56.800, 164.372



73, 56.800, 214.372



73, 56.800, 344.372



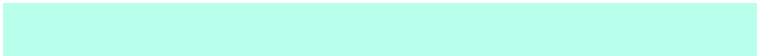
73, 56.800, 34.372

Sweetspot

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



73, 56.800, 164.371



95, 26.228, 174.445



72, 95.775, 133.159



50, 17.956, 173.959



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 56.800, 164.371



89, 69.562, 162.835



62, 36.859, 237.104



42, 4.541, 176.404



60, 49.887, 163.484



13, 17.248, 168.656

Inverse Universe

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



43, 72.383, 19.935



54, 89.149, 23.938



46, 79.267, 43.845



40, 4.674, 358.032



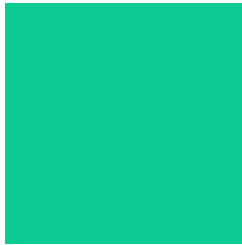
35, 63.893, 22.185



4, 18.480, 5.771

Previews

White Background



This preview shows how the CIELCh color 73, 56.800, 164.372 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 73, 56.800, 164.372 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 73, 56.800, 164.372

Background



This preview shows how black text looks on a background with the CIELCh color 73, 56.800, 164.372.

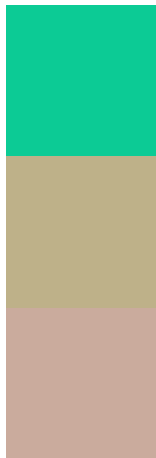


This preview shows how white text looks on a background with the CIELCh color 73, 56.800, 164.372.

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

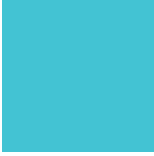
73, 56.738, 164.340

Protanopia

72, 22.246, 94.192

Deuteranopia

72, 14.568, 51.427



Tritanopia
73, 34.630, 211.741

Trichromacy



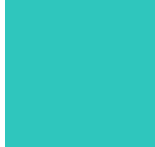
Original Color
73, 56.738, 164.340



Protanomaly
71, 33.781, 150.587



Deuteranomaly
70, 24.498, 157.245



Tritanomaly
73, 40.236, 189.367

Monochromacy



Original Color
73, 56.738, 164.340



Achromatopsia
58, 0.007, 296.813



Achromatomaly
62, 27.190, 172.587

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 56.800, 164.372 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(12, 203, 149)` looks like.

```
.text, #text, p{  
    color:rgb(12, 203, 149)  
}
```

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(12, 203, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 203, 149) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 56.800, 164.372 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(12, 203, 149) }
```

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

```
.border{ border-color:rgb(12, 203, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 203, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 203, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 203, 149);  
box-shadow:4px 4px 4px 4px rgb(12, 203,  
149) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 56.800, 164.372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 203, 149) }
```

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

```
.background{ background-color: rgb(12, 203,  
149) }
```

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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