

Converting Colors

CIELCh(73, 42.216, 166.510)

Have a look what the booklet for
CIELCh(73, 42.216, 166.510)
contains.

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Color

CIELCh(73, 41.928, 166.796)

Conversions

Conversions Part 1

Format	Color
Hex	57C6A0
RGB	87, 198, 160
RGB Percent	34%, 78%, 63%
CMY	0.6572, 0.2220, 0.3711
CMYK	0.56, 0.00, 0.19, 0.22
HSL	159°, 50%, 56%
HSV	159°, 56%, 78%
XYZ	30.6306, 45.1644, 40.5313
YIQ	160.4790, -53.9580, -35.3500

Conversions

Conversions Part 2

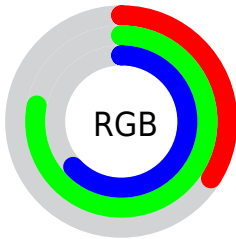
Format	Color
RYB	87, 154, 198
Decimal	5752480
CIELab	73.00, -40.82, 9.58
CIELCh	73, 41.928, 166.796
Yxy	45.1644, 0.2633, 0.3883
Android (android.graphics.Color)	4283942560 (0xFF57C6A0)
YUV	160.4790, -0.2361, -64.4411
Hunter-Lab	67.2044, -36.2507, 11.2850

Details

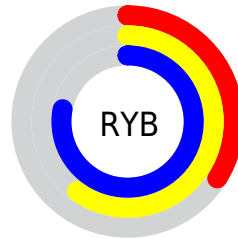
The CIELCh color **73, 41.928, 166.796** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **52, 48.050, 0.778**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 41.686, 167.099**, and **53, 41.552, 167.266** is the 20% darker color. If you saturate the color by 10%, you get **72, 47.751, 165.237**, and if you desaturate by 10%, it is **74, 35.405, 168.188**.

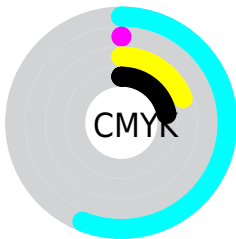
Distribution



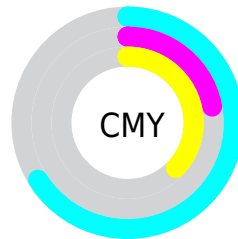
- Red (34%)
- Green (78%)
- Blue (63%)



- Red (34%)
- Yellow (60%)
- Blue (78%)



- Cyan (56%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (66%)
- Magenta (22%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 41.928, 166.796 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, 41.928, 166.796 by changing the saturation by 10% instead.


 73, 41.928,
166.796

 73, 41.928,
166.796

 100, 41.928,
166.796


 63, 41.928,
166.796


 93, 41.928,
166.796

 53, 41.928,
166.796

 43, 41.928,
166.796

 33, 41.928,
166.796

 23, 41.928,
166.796

 13, 41.928,
166.796

 3, 41.928, 166.796

0, 41.928, 166.796

73, 41.928,
166.796

73, 41.928,
166.796

72, 47.751,
165.237

74, 35.405,
168.188

72, 52.790,
163.491

75, 28.300,
169.440

71, 57.016,
161.540

76, 20.748,
170.577

71, 60.482,
159.392

78, 12.882,
171.624

71, 61.782,
158.516

79, 4.825, 172.636

81, 3.318, 353.288

83, 11.461,

354.215

■ 85, 19.537,
355.012

■ 86, 23.920,
351.033

Harmonies

Complementary

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



73, 41.928, 166.796



52, 48.050, 0.778

Rectangle

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



73, 41.928, 166.796



73, 41.928, 216.796



73, 41.928, 346.796



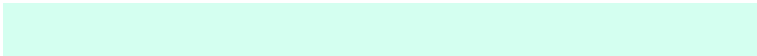
73, 41.928, 36.796

Sweetspot

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



73, 41.929, 166.795



97, 16.828, 171.491



73, 63.835, 131.451



51, 11.235, 171.281



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, 41.929, 166.795



91, 59.019, 164.894



69, 28.633, 216.224



41, 4.612, 172.281



59, 53.131, 158.864



11, 17.438, 164.735

Inverse Universe

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



52, 48.050, 0.778



61, 68.831, 3.870



55, 44.519, 36.264



39, 4.721, 353.893



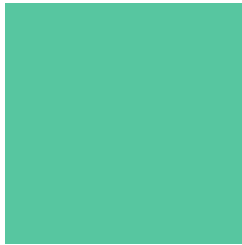
34, 61.548, 16.599



4, 16.714, 2.037

Previews

White Background



This preview shows how the CIELCh color 73, 41.928, 166.796 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 73, 41.928, 166.796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

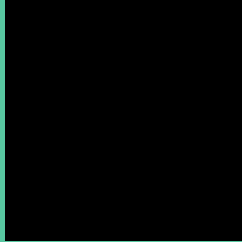
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 73, 41.928, 166.796

Background



This preview shows how black text looks on a background with the CIELCh color 73, 41.928, 166.796.

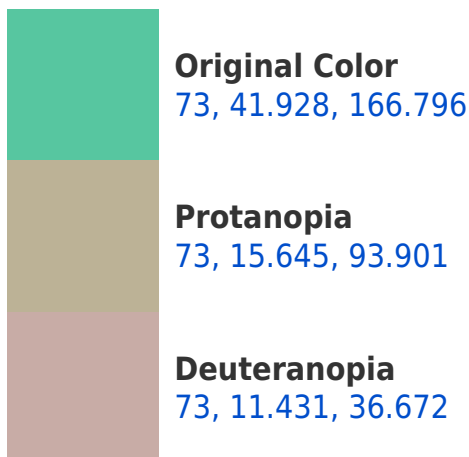


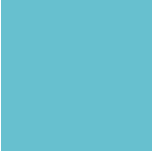
This preview shows how white text looks on a background with the CIELCh color 73, 41.928, 166.796.

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
73, 27.584, 214.878

Trichromacy



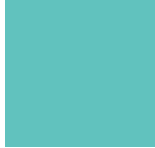
Original Color
73, 41.928, 166.796



Protanomaly
72, 21.286, 145.740



Deuteranomaly
72, 13.135, 150.323



Tritanomaly
73, 30.234, 192.957

Monochromacy



Original Color
73, 41.928, 166.796



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 16.964, 170.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 41.928, 166.796 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(87, 198, 160)` looks like.

```
.text, #text, p{  
    color:rgb(87, 198, 160)  
}
```

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(87, 198, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 198, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 41.928, 166.796 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(87, 198, 160) }
```

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

```
.border{ border-color:rgb(87, 198, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 198, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 198, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 198, 160);  
box-shadow:4px 4px 4px 4px rgb(87, 198,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 41.928, 166.796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 198, 160) }
```

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

```
.background{ background-color: rgb(87, 198,  
160) }
```

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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