

Converting Colors

CIELCh(71, 43.644, 165.584)

Have a look what the booklet for
CIELCh(71, 43.644, 165.584)
contains.

CIELCh(71, 43.384, 165.915)	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(71, 43.384, 165.915)

Conversions

Conversions Part 1

Format	Color
Hex	4EC199
RGB	78, 193, 153
RGB Percent	31%, 76%, 60%
CMY	0.6930, 0.2422, 0.3991
CMYK	0.59, 0.00, 0.21, 0.24
HSL	159°, 48%, 53%
HSV	159°, 59%, 76%
XYZ	28.0575, 42.1875, 36.9021
YIQ	154.0550, -55.7000, -36.8200

Conversions

Conversions Part 2

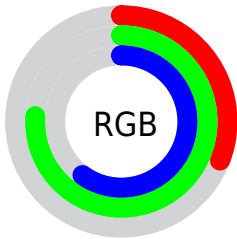
Format	Color
RYB	78, 148, 193
Decimal	5161369
CIELab	71.00, -42.08, 10.56
CIELCh	71, 43.384, 165.915
Yxy	42.1875, 0.2619, 0.3937
Android (android.graphics.Color)	4283351449 (0xFF4EC199)
YUV	154.0550, -0.5201, -66.7002
Hunter-Lab	64.9519, -36.5585, 11.7810

Details

The CIELCh color **71, 43.384, 165.915** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **50, 49.835, 1.174**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 43.395, 165.762**, and **51, 42.758, 165.180** is the 20% darker color. If you saturate the color by 10%, you get **70, 48.872, 164.292**, and if you desaturate by 10%, it is **72, 37.181, 167.362**.

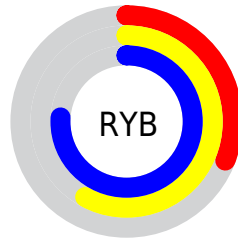
Distribution



Red (31%)

Green (76%)

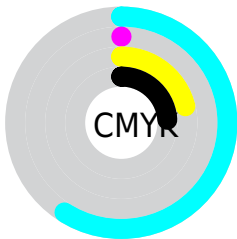
Blue (60%)



Red (31%)

Yellow (58%)

Blue (76%)

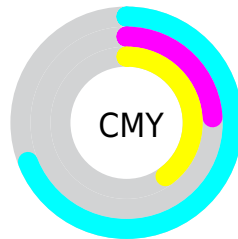


Cyan (59%)

Magenta (0%)

Yellow (21%)

Black (24%)



Cyan (69%)


Magenta (24%)


Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 43.384, 165.915 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 71, 43.384, 165.915 by changing the saturation by 10% instead.


 71, 43.384,
165.915


 71, 43.384,
165.915


 100, 43.384,
165.915


 61, 43.384,
165.915


 91, 43.384,
165.915

 51, 43.384,
165.915

 41, 43.384,
165.915

 31, 43.384,
165.915

 21, 43.384,
165.915

 11, 43.384,
165.915

 1, 43.384, 165.915

0, 43.384, 165.915

71, 43.384,
165.915

71, 43.384,
165.915

70, 48.872,
164.292

72, 37.181,
167.362

70, 53.578,
162.473

73, 30.368,
168.661

70, 57.498,
160.450

74, 23.075,
169.835

69, 60.779,
158.278

75, 15.434,
170.909

69, 60.940,
158.172

77, 7.570, 171.916

78, 0.409, 351.663

80, 8.412, 353.552

■ 82, 16.367,
354.371

■ 84, 24.221,
355.129

Harmonies

Complementary

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



71, 43.384, 165.915



50, 49.835, 1.174

Rectangle

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



71, 43.384, 165.915



71, 43.384, 215.915



71, 43.384, 345.915



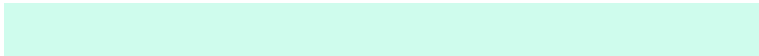
71, 43.384, 35.915

Sweetspot

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



71, 43.385, 165.914



96, 17.723, 171.033



71, 66.033, 131.312



51, 12.381, 170.726



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



71, 43.385, 165.914



89, 61.371, 163.830



67, 29.181, 216.607



40, 4.530, 171.929



58, 52.838, 158.508



10, 16.335, 164.561

Inverse Universe

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



50, 49.835, 1.174



59, 71.451, 4.680



52, 46.917, 36.663



38, 4.634, 353.531



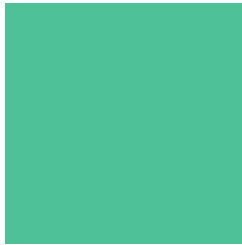
34, 60.714, 16.013



3, 14.820, 1.003

Previews

White Background



This preview shows how the CIELCh color 71, 43.384, 165.915 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 71, 43.384, 165.915 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 71, 43.384, 165.915

Background



This preview shows how black text looks on a background with the CIELCh color 71, 43.384, 165.915.

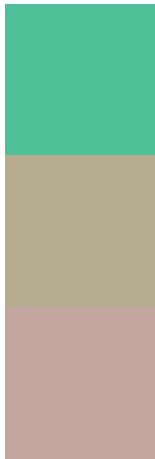


This preview shows how white text looks on a background with the CIELCh color 71, 43.384, 165.915.

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
71, 43.384, 165.915

Protanopia
70, 16.272, 94.231

Deuteranopia
70, 11.714, 39.168



Tritanopia
71, 28.156, 214.535

Trichromacy



Original Color
71, 43.384, 165.915



Protanomaly
70, 22.741, 145.476



Deuteranomaly
70, 13.890, 149.934



Tritanomaly
71, 30.991, 191.908

Monochromacy



Original Color
71, 43.384, 165.915



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.379, 171.324

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 43.384, 165.915 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(78, 193, 153)` looks like.

```
.text, #text, p{  
    color:rgb(78, 193, 153)  
}
```

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(78, 193, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 193, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 43.384, 165.915 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(78, 193, 153) }
```

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

```
.border{ border-color:rgb(78, 193, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 193, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 193, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 193, 153);  
box-shadow:4px 4px 4px 4px rgb(78, 193,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 43.384, 165.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 193, 153) }
```

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

```
.background{ background-color: rgb(78, 193,  
153) }
```

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