

Converting Colors

CIELCh(71, 44.919, 157.971)

Have a look what the booklet for
CIELCh(71, 44.919, 157.971)
contains.

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Color

CIELCh(71, 44.902, 158.016)

Conversions

Conversions Part 1

Format	Color
Hex	5BC18E
RGB	91, 193, 142
RGB Percent	36%, 76%, 56%
CMY	0.6441, 0.2441, 0.4440
CMYK	0.53, 0.00, 0.26, 0.24
HSL	150°, 45%, 56%
HSV	150°, 53%, 76%
XYZ	28.1696, 42.1875, 32.1585
YIQ	156.6880, -44.4210, -37.4850

Conversions

Conversions Part 2

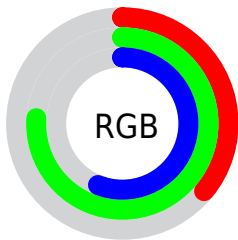
Format	Color
RYB	91, 159, 193
Decimal	6013326
CIELab	71.00, -41.64, 16.81
CIElCh	71, 44.902, 158.016
Yxy	42.1875, 0.2748, 0.4115
Android (android.graphics.Color)	4284203406 (0xFF5BC18E)
YUV	156.6880, -7.2412, -57.6084
Hunter-Lab	64.9519, -36.2506, 16.1112

Details

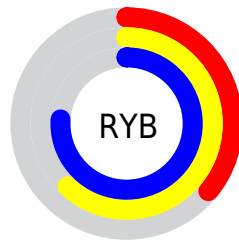
The CIELCh color **71, 44.902, 158.016** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **53, 47.439, 349.434**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 44.707, 158.063**, and **51, 44.913, 158.092** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.118, 156.478**, and if you desaturate by 10%, it is **72, 37.079, 159.372**.

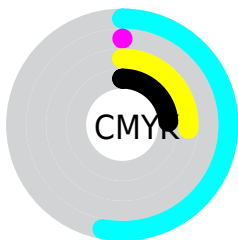
Distribution



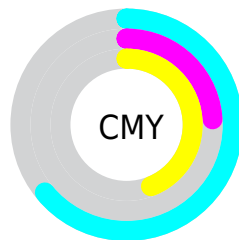
- Red (36%)
- Green (76%)
- Blue (56%)



- Red (36%)
- Yellow (62%)
- Blue (76%)



- Cyan (53%)
- Magenta (0%)
- Yellow (26%)
- Black (24%)





- Cyan (64%)
- Magenta (24%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 44.902, 158.016 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, 44.902, 158.016 by changing the saturation by 10% instead.


 71, 44.902,
158.016


 71, 44.902,
158.016


 100, 44.902,
158.016


 61, 44.902,
158.016


 91, 44.902,
158.016

 51, 44.902,
158.016

 41, 44.902,
158.016

 31, 44.902,
158.016

 21, 44.902,
158.016

 11, 44.902,
158.016

 1, 44.902, 158.016

■ 0, 44.902, 158.016

■ 71, 44.902,
158.016

■ 71, 44.902,
158.016

■ 70, 52.118,
156.478

■ 72, 37.079,
159.372

■ 70, 58.604,
154.739

■ 73, 28.792,
160.571

■ 69, 64.286,
152.790

■ 74, 20.189,
161.639

■ 69, 69.156,
150.640

■ 76, 11.409,
162.604

■ 69, 72.239,
149.080

■ 77, 2.571, 163.578

■ 79, 6.228, 344.138

■ 81, 14.916,

344.887

■ 83, 23.437,
345.553

■ 84, 29.149,
341.908

Harmonies

Complementary

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



71, 44.902, 158.016



53, 47.439, 349.434

Rectangle

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



71, 44.902, 158.016



71, 44.902, 208.016



71, 44.902, 338.016



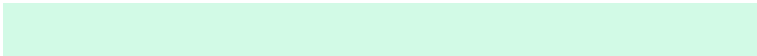
71, 44.902, 28.016

Sweetspot

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



71, 44.903, 158.015



95, 17.439, 162.292



73, 56.785, 126.662



50, 11.766, 162.093



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



71, 44.903, 158.015



89, 65.076, 156.132



72, 30.813, 197.089



40, 5.027, 162.931



58, 62.681, 149.418



10, 18.482, 156.485

Inverse Universe

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



53, 47.439, 349.434



62, 68.537, 351.576



51, 45.374, 25.696



38, 5.091, 344.392



34, 60.041, 1.520



3, 15.829, 352.345

Previews

White Background



This preview shows how the CIELCh color 71, 44.902, 158.016 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, 44.902, 158.016 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, 44.902, 158.016

Background



This preview shows how black text looks on a background with the CIELCh color 71, 44.902, 158.016.

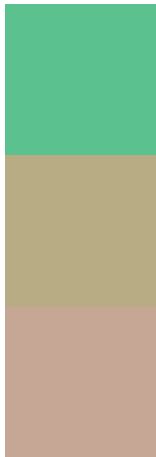


This preview shows how white text looks on a background with the CIELCh color 71, 44.902, 158.016.

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, 44.902, 158.016

Protanopia
70, 22.263, 95.141

Deuteranopia
70, 16.351, 56.805



Tritanopia
71, 25.088, 216.929

Trichromacy



Original Color
71, 44.902, 158.016



Protanomaly
70, 26.643, 134.047



Deuteranomaly
70, 17.660, 130.633



Tritanomaly
71, 28.668, 187.211

Monochromacy



Original Color
71, 44.902, 158.016



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.161, 162.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 71, 44.902, 158.016 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(91, 193, 142)` looks like.

```
.text, #text, p{  
    color:rgb(91, 193, 142)  
}
```

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(91, 193, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 193, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 71, 44.902, 158.016 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(91, 193, 142) }
```

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

```
.border{ border-color:rgb(91, 193, 142) }
```

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

Here you see how a box with a 4 pixel rgb(91, 193, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 193, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 193, 142);  
box-shadow:4px 4px 4px 4px rgb(91, 193,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 71, 44.902, 158.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 193, 142) }
```

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

```
.background{ background-color: rgb(91, 193,  
142) }
```

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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