

# Converting Colors

CIELCh(71, 40.905, 165.537)

Have a look what the booklet for  
CIELCh(71, 40.905, 165.537)  
contains.

<b>CIELCh(71, 40.774, 165.726)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(71, 40.774, 165.726)**

# Conversions

## Conversions Part 1

Format	Color
Hex	57C09A
RGB	87, 192, 154
RGB Percent	34%, 75%, 60%
CMY	0.6578, 0.2461, 0.3952
CMYK	0.55, 0.00, 0.20, 0.25
HSL	158°, 46%, 55%
HSV	158°, 55%, 75%
XYZ	28.7109, 42.1875, 37.3043
YIQ	156.2730, -50.3820, -34.0780

# Conversions

## Conversions Part 2

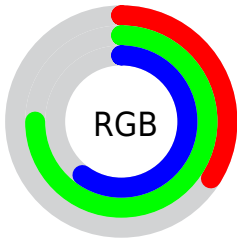
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 151, 192
Decimal	5750938
CIELab	71.00, -39.52, 10.05
CIELCh	71, 40.774, 165.726
Yxy	42.1875, 0.2653, 0.3899
Android (android.graphics.Color)	4283941018 (0xFF57C09A)
YUV	156.2730, -1.1206, -60.7524
Hunter-Lab	64.9519, -34.7629, 11.4139

# Details

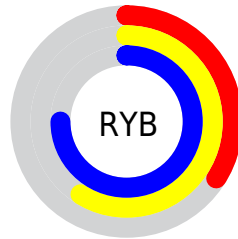
The CIELCh color **71, 40.774, 165.726** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **51, 46.053, 359.050**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 40.955, 165.550**, and **51, 40.899, 165.645** is the 20% darker color. If you saturate the color by 10%, you get **70, 46.717, 164.182**, and if you desaturate by 10%, it is **72, 34.174, 167.103**.

# Distribution



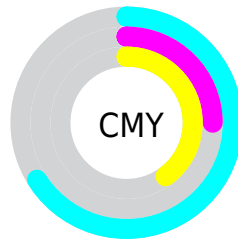
- Red (34%)
- Green (75%)
- Blue (60%)



- Red (34%)
- Yellow (59%)
- Blue (75%)



- Cyan (55%)
- Magenta (0%)
- Yellow (20%)
- Black (25%)




- Cyan (66%)
- Magenta (25%)
- Yellow (40%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 71, 40.774, 165.726 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, 40.774, 165.726 by changing the saturation by 10% instead.





 71, 40.774,  
165.726


 71, 40.774,  
165.726


 100, 40.774,  
165.726


 61, 40.774,  
165.726


 91, 40.774,  
165.726

 51, 40.774,  
165.726

 41, 40.774,  
165.726

 31, 40.774,  
165.726

 21, 40.774,  
165.726

 11, 40.774,  
165.726

 1, 40.774, 165.726

■ 0, 40.774, 165.726

■ 71, 40.774,  
165.726

■ 71, 40.774,  
165.726

■ 70, 46.717,  
164.182

■ 72, 34.174,  
167.103

■ 70, 51.909,  
162.449

■ 73, 27.035,  
168.341

■ 69, 56.314,  
160.512

■ 74, 19.492,  
169.464

■ 69, 59.962,  
158.373

■ 76, 11.673,  
170.497

■ 69, 61.741,  
157.200

■ 77, 3.697, 171.515

■ 79, 4.337, 352.162

■ 81, 12.349,

353.039

■ 82, 20.277,  
353.816

■ 84, 26.352,  
352.359

# Harmonies

# Complementary

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



71, 40.774, 165.726



51, 46.053, 359.050

# Rectangle

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



71, 40.774, 165.726



71, 40.774, 215.726



71, 40.774, 345.726



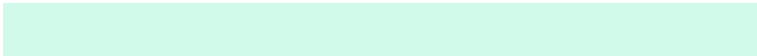
71, 40.774, 35.726

# Sweetspot

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



71, 40.775, 165.725



95, 15.800, 170.332



71, 60.593, 131.009



50, 10.648, 170.121



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, 40.775, 165.725



89, 58.529, 163.777



68, 27.769, 213.692



40, 4.571, 171.018



58, 53.739, 157.530



10, 16.537, 163.647



# Inverse Universe

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



51, 46.053, 359.050



61, 67.128, 2.052



53, 42.616, 34.849



38, 4.671, 352.613



34, 60.461, 14.685

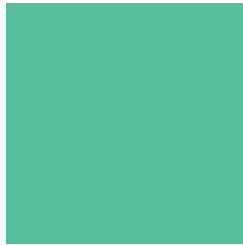


3, 14.890, 0.250



# Previews

## White Background



This preview shows how the CIELCh color 71, 40.774, 165.726 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, 40.774, 165.726 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, 40.774, 165.726

## Background



This preview shows how black text looks on a background with the CIELCh color 71, 40.774, 165.726.

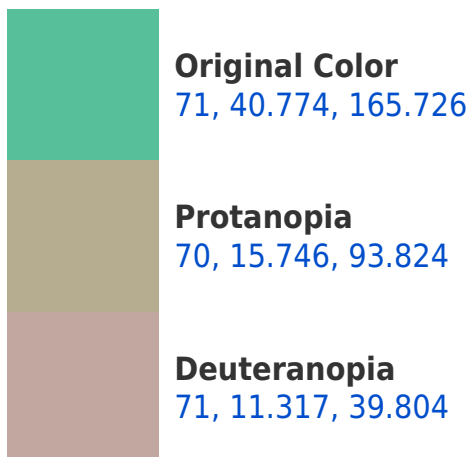


This preview shows how white text looks on a background with the CIELCh color 71, 40.774, 165.726.

# 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**  
71, 26.443, 215.805

# Trichromacy



**Original Color**  
71, 40.774, 165.726



**Protanomaly**  
70, 20.744, 143.377



**Deuteranomaly**  
70, 12.731, 147.880

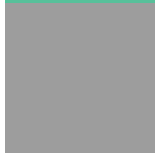


**Tritanomaly**  
71, 28.813, 192.782

# Monochromacy



**Original Color**  
71, 40.774, 165.726



**Achromatopsia**  
65, 0.008, 296.813



**Achromatomaly**  
67, 16.130, 169.320

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 71, 40.774, 165.726 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, 192, 154)` looks like.

```
.text, #text, p{  
    color:rgb(87, 192, 154)  
}
```

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, 192, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 192, 154) }
```

## Border

The CSS property to change the border of an element to CIELCh 71, 40.774, 165.726 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, 192, 154) }
```

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

```
.border{ border-color:rgb(87, 192, 154) }
```

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

Here you see how a box with a 4 pixel rgb(87, 192, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 192, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 192, 154);  
box-shadow:4px 4px 4px 4px rgb(87, 192,  
154) }
```

# Background

The CSS property to change the background color of an element to CIELCh 71, 40.774, 165.726 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 192, 154) }
```

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

```
.background{ background-color: rgb(87, 192,  
154) }
```

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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