

Converting Colors

CIELCh(73, 40.241, 171.521)

Have a look what the booklet for
CIELCh(73, 40.241, 171.521)
contains.

CIELCh(73, 40.240, 171.594)	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, 40.240, 171.594)

Conversions

Conversions Part 1

Format	Color
Hex	54C6A7
RGB	84, 198, 167
RGB Percent	33%, 78%, 65%
CMY	0.6698, 0.2228, 0.3444
CMYK	0.58, 0.00, 0.16, 0.22
HSL	164°, 50%, 55%
HSV	164°, 58%, 78%
XYZ	30.9026, 45.1644, 43.7347
YIQ	160.3800, -57.9930, -33.8090

Conversions

Conversions Part 2

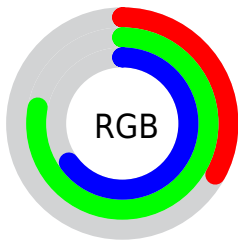
Format	Color
RYB	84, 150, 198
Decimal	5555879
CIELab	73.00, -39.81, 5.88
CIELCh	73, 40.240, 171.594
Yxy	45.1644, 0.2579, 0.3770
Android (android.graphics.Color)	4283745959 (0xFF54C6A7)
YUV	160.3800, 3.2637, -66.9853
Hunter-Lab	67.2044, -35.5281, 8.4589

Details

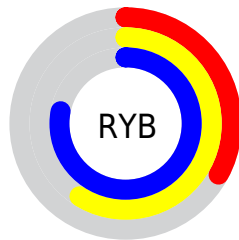
The CIELCh color **73, 40.240, 171.594** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **51, 48.672, 6.447**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.054, 171.667**, and **53, 39.997, 171.678** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.344, 170.100**, and if you desaturate by 10%, it is **74, 34.390, 172.937**.

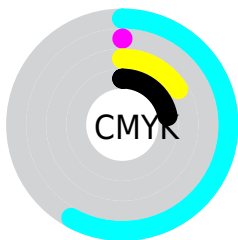
Distribution



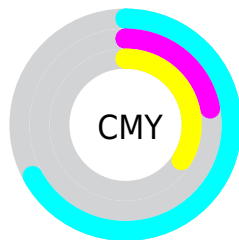
- Red (33%)
- Green (78%)
- Blue (65%)



- Red (33%)
- Yellow (59%)
- Blue (78%)



- Cyan (58%)
- Magenta (0%)
- Yellow (16%)
- Black (22%)





- Cyan (67%)
- Magenta (22%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 40.240, 171.594 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, 40.240, 171.594 by changing the saturation by 10% instead.


 73, 40.240,
171.594


 73, 40.240,
171.594


 100, 40.240,
171.594


 63, 40.240,
171.594


 93, 40.240,
171.594

 53, 40.240,
171.594

 43, 40.240,
171.594

 33, 40.240,
171.594

 23, 40.240,
171.594

 13, 40.240,
171.594

 3, 40.240, 171.594

0, 40.240, 171.594

73, 40.240,
171.594

73, 40.240,
171.594

72, 45.344,
170.100

74, 34.390,
172.937

72, 49.636,
168.434

75, 27.899,
174.157

71, 53.106,
166.578

76, 20.893,
175.277

71, 55.849,
164.544

77, 13.503,
176.318

71, 56.488,
164.042

79, 5.850, 177.325

80, 1.955, 357.896

82, 9.821, 358.948

■ 84, 17.677,
359.782

■ 85, 22.835,
357.707

Harmonies

Complementary

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



73, 40.240, 171.594



51, 48.672, 6.447

Rectangle

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



73, 40.240, 171.594



73, 40.240, 221.594



73, 40.240, 351.594



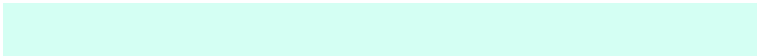
73, 40.240, 41.594

Sweetspot

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



73, 40.240, 171.593



97, 16.088, 176.345



73, 66.695, 133.278



51, 10.732, 176.137



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, 40.240, 171.593



91, 56.220, 169.697



67, 28.457, 226.610



41, 4.422, 177.133



60, 48.668, 164.367



11, 16.299, 169.819

Inverse Universe

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



51, 48.672, 6.447



60, 70.272, 10.099



56, 44.183, 41.660



39, 4.555, 358.753



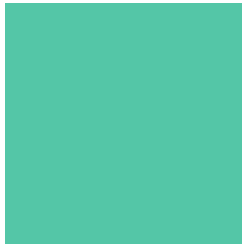
34, 63.471, 23.002



4, 16.412, 5.599

Previews

White Background



This preview shows how the CIELCh color 73, 40.240, 171.594 looks on a white background.

Color Contrast Check

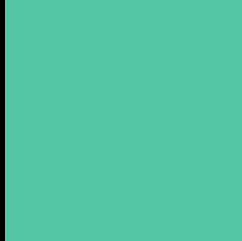
Large Text (above 18pt) WCAG AA × Fail

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, 40.240, 171.594 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

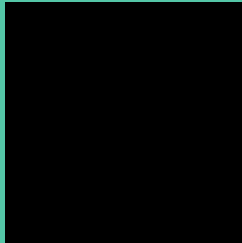
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

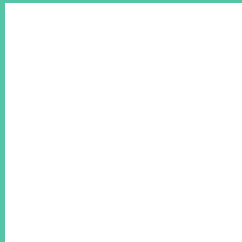
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 73, 40.240, 171.594

Background



This preview shows how black text looks on a background with the CIELCh color 73, 40.240, 171.594.

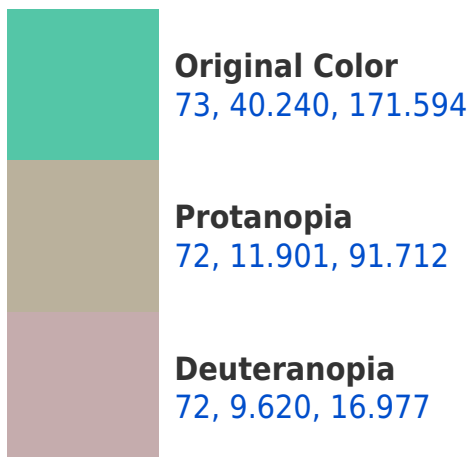


This preview shows how white text looks on a background with the CIELCh color 73, 40.240, 171.594.

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](#).

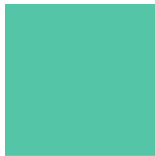
Dichromacy





Tritanopia
73, 28.691, 215.284

Trichromacy



Original Color
73, 40.240, 171.594



Protanomaly
72, 19.240, 153.071



Deuteranomaly
72, 11.388, 166.778



Tritanomaly
73, 30.730, 196.075

Monochromacy



Original Color
73, 40.240, 171.594



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 16.721, 174.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 40.240, 171.594 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(84, 198, 167)` looks like.

```
.text, #text, p{  
    color:rgb(84, 198, 167)  
}
```

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(84, 198, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 198, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 40.240, 171.594 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(84, 198, 167) }
```

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

```
.border{ border-color:rgb(84, 198, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 198, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 198, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 198, 167);  
box-shadow:4px 4px 4px 4px rgb(84, 198,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 40.240, 171.594 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 198, 167) }
```

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

```
.background{ background-color: rgb(84, 198,  
167) }
```

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