

Converting Colors

CIELCh(74, 46.716, 171.103)

Have a look what the booklet for
CIELCh(74, 46.716, 171.103)
contains.

CIELCh(74, 46.505, 171.163)	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(74, 46.505, 171.163)

Conversions

Conversions Part 1

Format	Color
Hex	3ECBA7
RGB	62, 203, 167
RGB Percent	24%, 80%, 65%
CMY	0.7588, 0.2024, 0.3437
CMYK	0.70, 0.00, 0.18, 0.20
HSL	165°, 58%, 52%
HSV	165°, 70%, 80%
XYZ	30.4105, 46.7039, 44.1472
YIQ	156.7370, -72.4800, -41.0880

Conversions

Conversions Part 2

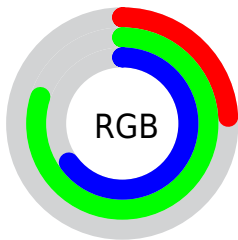
Format	Color
RYB	62, 143, 203
Decimal	4115367
CIELab	74.00, -45.95, 7.14
CIElCh	74, 46.505, 171.163
Yxy	46.7039, 0.2508, 0.3852
Android (android.graphics.Color)	4282305447 (0xFF3ECBA7)
YUV	156.7370, 5.0597, -83.0843
Hunter-Lab	68.3403, -40.1655, 9.5374

Details

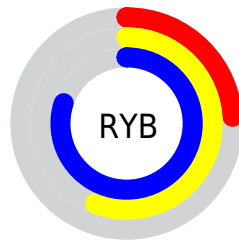
The CIELCh color **74, 46.505, 171.163** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **48, 59.219, 11.497**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.586, 173.566**, and **54, 42.466, 168.952** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.527, 169.493**, and if you desaturate by 10%, it is **75, 41.638, 172.660**.

Distribution



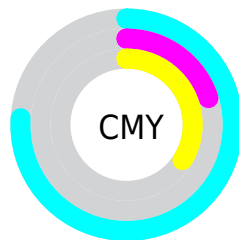
- Red (24%)
- Green (80%)
- Blue (65%)



- Red (24%)
- Yellow (56%)
- Blue (80%)



- Cyan (70%)
- Magenta (0%)
- Yellow (18%)
- Black (20%)





- Cyan (76%)
- Magenta (20%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 74, 46.505, 171.163 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 74, 46.505, 171.163 by changing the saturation by 10% instead.

 74, 46.505,
171.163

 74, 46.505,
171.163


 100, 46.505,
171.163


 64, 46.505,
171.163


 94, 46.505,
171.163

 54, 46.505,
171.163

 44, 46.505,
171.163

 34, 46.505,
171.163

 24, 46.505,
171.163

 14, 46.505,
171.163

 4, 46.505, 171.163

0, 46.505, 171.163

74, 46.505,
171.163

74, 46.505,
171.163

74, 50.527,
169.493

75, 41.638,
172.660

73, 53.714,
167.636

75, 35.979,
174.009

73, 56.236,
165.632

76, 29.626,
175.235

73, 56.296,
165.585

77, 22.702,
176.360

79, 15.340,
177.407

80, 7.668, 178.408

■ 82, 0.198, 356.728

■ 84, 8.160, 0.057

■ 86, 16.138, 0.911

Harmonies

Complementary

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



74, 46.505, 171.163



48, 59.219, 11.497

Rectangle

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



74, 46.505, 171.163



74, 46.505, 221.163



74, 46.505, 351.163



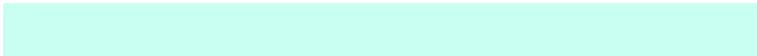
74, 46.505, 41.163

Sweetspot

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



74, 46.505, 171.162



96, 19.545, 177.252



73, 80.463, 133.190



51, 13.168, 176.963



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



74, 46.505, 171.162



90, 62.057, 168.522



65, 32.736, 232.103



42, 4.471, 178.444



60, 48.127, 165.912



13, 16.762, 170.858

Inverse Universe

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



48, 59.219, 11.497



56, 81.723, 17.765



53, 56.582, 43.684



40, 4.614, 0.063



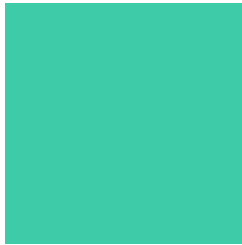
34, 64.871, 24.637



4, 18.379, 7.109

Previews

White Background



This preview shows how the CIELCh color 74, 46.505, 171.163 looks on a white background.

Color Contrast Check

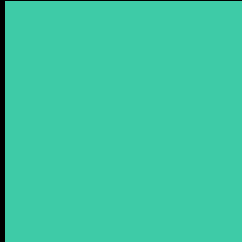
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 74, 46.505, 171.163 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

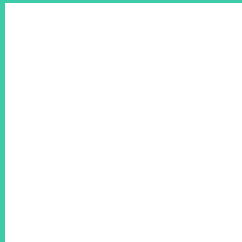
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 74, 46.505, 171.163

Background



This preview shows how black text looks on a background with the CIELCh color 74, 46.505, 171.163.

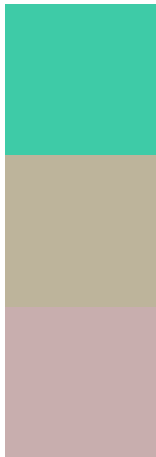


This preview shows how white text looks on a background with the CIELCh color 74, 46.505, 171.163.

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](#).

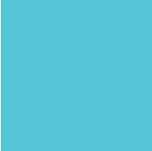
Dichromacy



Original Color
74, 46.367, 171.096

Protanopia
73, 13.943, 94.064

Deuteranopia
73, 9.994, 20.212



Tritanopia
74, 32.542, 212.823

Trichromacy



Original Color
74, 46.367, 171.096



Protanomaly
73, 23.710, 154.351



Deuteranomaly
72, 14.699, 169.471

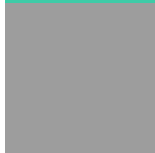


Tritanomaly
74, 35.520, 194.138

Monochromacy



Original Color
74, 46.367, 171.096



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 20.037, 176.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 74, 46.505, 171.163 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(62, 203, 167)` looks like.

```
.text, #text, p{  
    color:rgb(62, 203, 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(62, 203, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 203, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 74, 46.505, 171.163 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(62, 203, 167) }
```

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

```
.border{ border-color:rgb(62, 203, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 203, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 203, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 203, 167);  
box-shadow:4px 4px 4px 4px rgb(62, 203,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 74, 46.505, 171.163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 203, 167) }
```

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

```
.background{ background-color: rgb(62, 203,  
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