

Converting Colors

CIELCh(75, 44.903, 168.917)

Have a look what the booklet for
CIELCh(75, 44.903, 168.917)
contains.

CIELCh(75, 44.875, 168.903)	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(75, 44.875, 168.903)

Conversions

Conversions Part 1

Format	Color
Hex	4ECDA7
RGB	78, 205, 167
RGB Percent	31%, 80%, 65%
CMY	0.6925, 0.1946, 0.3437
CMYK	0.62, 0.00, 0.19, 0.19
HSL	162°, 56%, 56%
HSV	162°, 62%, 81%
XYZ	32.1022, 48.2781, 44.3544
YIQ	162.6950, -63.4940, -38.7420

Conversions

Conversions Part 2

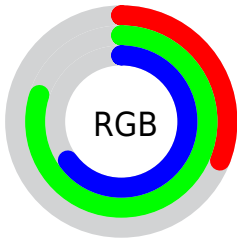
Format	Color
RYB	78, 153, 205
Decimal	5164455
CIELab	75.00, -44.04, 8.64
CIELCh	75, 44.875, 168.903
Yxy	48.2781, 0.2574, 0.3870
Android (android.graphics.Color)	4283354535 (0xFF4ECDA7)
YUV	162.6950, 2.1224, -74.2775
Hunter-Lab	69.4824, -39.1239, 10.7897

Details

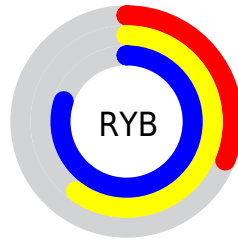
The CIELCh color **75, 44.875, 168.903** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **52, 53.721, 5.503**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 40.968, 172.196**, and **55, 43.463, 167.955** is the 20% darker color. If you saturate the color by 10%, you get **74, 50.002, 167.284**, and if you desaturate by 10%, it is **76, 38.954, 170.351**.

Distribution



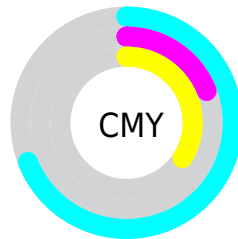
- Red (31%)
- Green (80%)
- Blue (65%)



- Red (31%)
- Yellow (60%)
- Blue (80%)



- Cyan (62%)
- Magenta (0%)
- Yellow (19%)
- Black (19%)





- Cyan (69%)
- Magenta (19%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 44.875, 168.903 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 75, 44.875, 168.903 by changing the saturation by 10% instead.


 75, 44.875,
168.903


 75, 44.875,
168.903


 100, 44.875,
168.903


 65, 44.875,
168.903


 95, 44.875,
168.903

 55, 44.875,
168.903

 45, 44.875,
168.903

 35, 44.875,
168.903

 25, 44.875,
168.903

 15, 44.875,
168.903

 5, 44.875, 168.903

■ 0, 44.875, 168.903

■ 75, 44.875,
168.903

■ 75, 44.875,
168.903

■ 74, 50.002,
167.284

■ 76, 38.954,
170.351

■ 74, 54.286,
165.474

■ 77, 32.334,
171.656

■ 74, 57.748,
163.465

■ 78, 25.143,
172.841

■ 73, 60.128,
161.727

■ 79, 17.517,
173.930

■ 81, 9.589, 174.951

■ 82, 1.479, 176.160

■ 84, 6.713, 356.632

■ 86, 14.903,
357.497

■ 87, 20.245,
354.578

Harmonies

Complementary

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



75, 44.875, 168.903



52, 53.721, 5.503

Rectangle

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



75, 44.875, 168.903



75, 44.875, 218.903



75, 44.875, 348.903



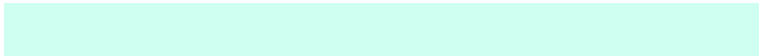
75, 44.875, 38.903

Sweetspot

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



75, 44.875, 168.902



96, 18.246, 174.198



75, 72.750, 132.623



51, 12.511, 173.897



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 44.875, 168.902



90, 60.542, 166.741



69, 30.753, 224.774



42, 4.587, 175.196



60, 50.979, 162.088



12, 17.550, 167.376

Inverse Universe

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



52, 53.721, 5.503



59, 74.164, 9.671



56, 50.141, 40.638



40, 4.713, 356.825



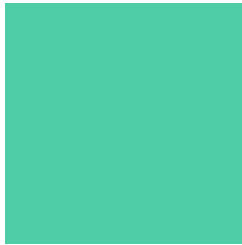
35, 63.363, 20.648



4, 18.549, 4.925

Previews

White Background



This preview shows how the CIELCh color 75, 44.875, 168.903 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 75, 44.875, 168.903 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

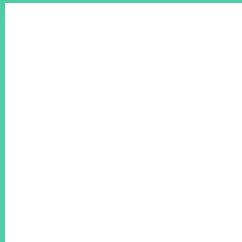
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 44.875, 168.903

Background



This preview shows how black text looks on a background with the CIELCh color 75, 44.875, 168.903.

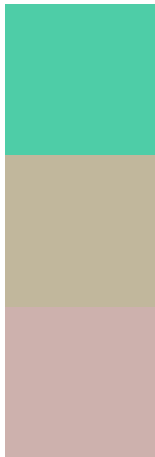


This preview shows how white text looks on a background with the CIELCh color 75, 44.875, 168.903.

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

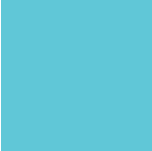
75, 44.875, 168.903

Protanopia

75, 15.044, 93.519

Deuteranopia

74, 11.051, 31.427



Tritanopia
75, 30.590, 213.949

Trichromacy



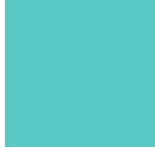
Original Color
75, 44.875, 168.903



Protanomaly
74, 22.571, 149.931



Deuteranomaly
73, 13.605, 158.815



Tritanomaly
75, 33.168, 194.144

Monochromacy



Original Color
75, 44.875, 168.903



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 18.166, 174.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 44.875, 168.903 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, 205, 167)` looks like.

```
.text, #text, p{  
    color:rgb(78, 205, 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(78, 205, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 205, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 44.875, 168.903 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, 205, 167) }
```

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

```
.border{ border-color:rgb(78, 205, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 205, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 205, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 205, 167);  
box-shadow:4px 4px 4px 4px rgb(78, 205,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 44.875, 168.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 205, 167) }
```

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

```
.background{ background-color: rgb(78, 205,  
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