

Converting Colors

CIELCh(76, 42.797, 171.616)

Have a look what the booklet for
CIELCh(76, 42.797, 171.616)
contains.

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Color

CIELCh(76, 42.777, 171.718)

Conversions

Conversions Part 1

Format	Color
Hex	54D0AF
RGB	84, 208, 175
RGB Percent	33%, 82%, 69%
CMY	0.6721, 0.1857, 0.3150
CMYK	0.60, 0.00, 0.16, 0.19
HSL	164°, 57%, 57%
HSV	164°, 60%, 81%
XYZ	33.7949, 49.8872, 48.2312
YIQ	167.1620, -63.3110, -36.5510

Conversions

Conversions Part 2

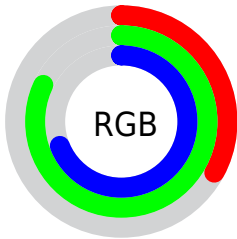
Format	Color
RYB	84, 156, 208
Decimal	5558447
CIELab	76.00, -42.33, 6.16
CIELCh	76, 42.777, 171.718
Yxy	49.8872, 0.2562, 0.3782
Android (android.graphics.Color)	4283748527 (0xFF54D0AF)
YUV	167.1620, 3.8641, -72.9331
Hunter-Lab	70.6309, -38.1969, 8.9547

Details

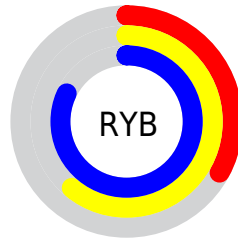
The CIELCh color **76, 42.777, 171.718** is a light color, and the websafe version is hex **66CC99**. The color can be described as light muted spring green. A complement of this color would be **53, 52.369, 7.539**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 37.437, 177.652**, and **56, 42.097, 171.534** is the 20% darker color. If you saturate the color by 10%, you get **75, 47.826, 170.191**, and if you desaturate by 10%, it is **77, 36.928, 173.089**.

Distribution



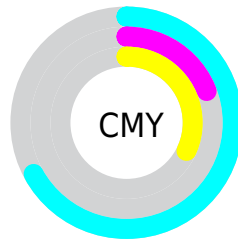
- Red (33%)
- Green (82%)
- Blue (69%)



- Red (33%)
- Yellow (61%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (16%)
- Black (19%)




- Cyan (67%)
- Magenta (19%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 42.777, 171.718 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 76, 42.777, 171.718 by changing the saturation by 10% instead.

 76, 42.777,
171.718


 76, 42.777,
171.718


 100, 42.777,
171.718


 66, 42.777,
171.718


 96, 42.777,
171.718

 56, 42.777,
171.718

 46, 42.777,
171.718

 36, 42.777,
171.718

 26, 42.777,
171.718

 16, 42.777,
171.718

 6, 42.777, 171.718

■ 0, 42.777, 171.718

■ 76, 42.777,
171.718

■ 76, 42.777,
171.718

■ 75, 47.826,
170.191

■ 77, 36.928,
173.089

■ 75, 52.017,
168.489

■ 78, 30.378,
174.333

■ 75, 55.361,
166.595

■ 79, 23.256,
175.472

■ 74, 58.028,
164.551

■ 80, 15.698,
176.528

■ 74, 58.096,
164.498

■ 82, 7.833, 177.535

■ 83, 0.220, 356.094

■ 85, 8.360, 359.192

■ 87, 16.509, 0.046

■ 88, 19.325,
354.232

Harmonies

Complementary

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



76, 42.777, 171.718



53, 52.369, 7.539

Rectangle

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



76, 42.777, 171.718



76, 42.777, 221.718



76, 42.777, 351.718



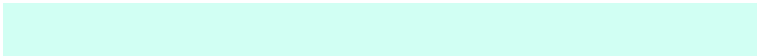
76, 42.777, 41.718

Sweetspot

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



76, 42.777, 171.717



97, 16.950, 176.683



76, 71.952, 133.602



51, 11.729, 176.382



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 42.777, 171.717



90, 57.473, 169.680



68, 30.258, 229.734



43, 4.592, 177.568



61, 49.441, 164.835



14, 17.706, 169.557

Inverse Universe

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



53, 52.369, 7.539



59, 72.794, 11.659



58, 47.656, 43.154



41, 4.734, 359.197



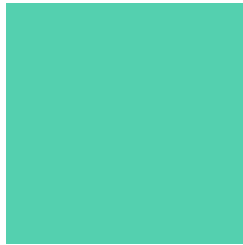
35, 65.202, 23.685



4, 20.380, 7.209

Previews

White Background



This preview shows how the CIELCh color 76, 42.777, 171.718 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 76, 42.777, 171.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

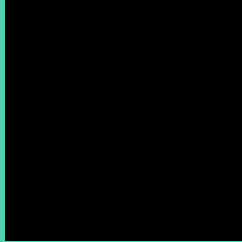
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

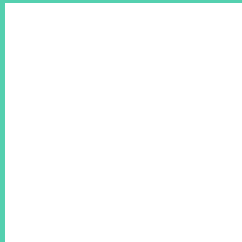
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 42.777, 171.718

Background



This preview shows how black text looks on a background with the CIELCh color 76, 42.777, 171.718.

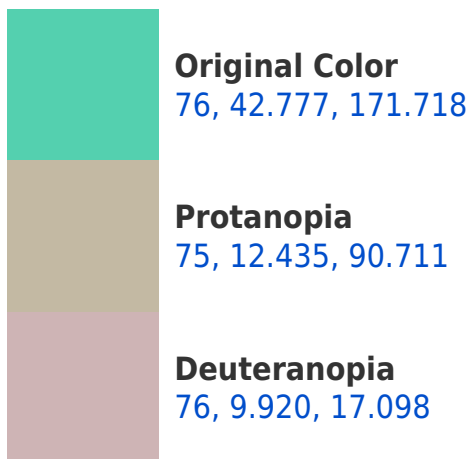


This preview shows how white text looks on a background with the CIELCh color 76, 42.777, 171.718.

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



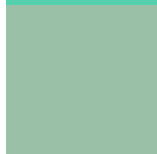


Tritanopia
76, 30.643, 213.886

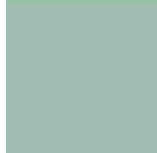
Trichromacy



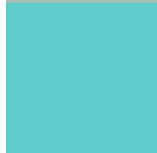
Original Color
76, 42.777, 171.718



Protanomaly
75, 20.251, 154.123



Deuteranomaly
75, 12.216, 169.340



Tritanomaly
76, 33.089, 195.126

Monochromacy



Original Color
76, 42.777, 171.718



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 17.546, 175.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 42.777, 171.718 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, 208, 175)` looks like.

```
.text, #text, p{  
    color:rgb(84, 208, 175)  
}
```

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, 208, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 208, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 42.777, 171.718 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, 208, 175) }
```

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

```
.border{ border-color:rgb(84, 208, 175) }
```

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

Here you see how a box with a 4 pixel rgb(84, 208, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 208, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 208, 175);  
box-shadow:4px 4px 4px 4px rgb(84, 208,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 42.777, 171.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 208, 175) }
```

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

```
.background{ background-color: rgb(84, 208,  
175) }
```

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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