

Converting Colors

CIELCh(76, 45.188, 172.179)

Have a look what the booklet for
CIELCh(76, 45.188, 172.179)
contains.

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Color

CIELCh(76, 45.290, 172.252)

Conversions

Conversions Part 1

Format	Color
Hex	48D1AF
RGB	72, 209, 175
RGB Percent	28%, 82%, 69%
CMY	0.7192, 0.1817, 0.3149
CMYK	0.66, 0.00, 0.16, 0.18
HSL	165°, 60%, 55%
HSV	165°, 66%, 82%
XYZ	33.0715, 49.8872, 48.2844
YIQ	164.1610, -70.7380, -39.6180

Conversions

Conversions Part 2

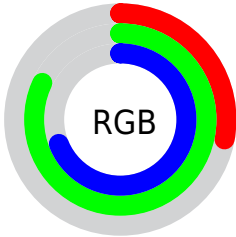
Format	Color
RYB	72, 150, 209
Decimal	4772271
CIELab	76.00, -44.88, 6.11
CIELCh	76, 45.290, 172.252
Yxy	49.8872, 0.2520, 0.3801
Android (android.graphics.Color)	4282962351 (0xFF48D1AF)
YUV	164.1610, 5.3436, -80.8252
Hunter-Lab	70.6309, -40.0251, 8.9101

Details

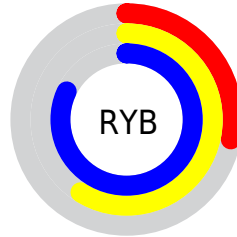
The CIELCh color **76, 45.290, 172.252** is a light color, and the websafe version is hex **33CC99**. The color can be described as light muted spring green. A complement of this color would be **51, 57.373, 10.670**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **93, 39.752, 177.872**, and **57, 42.582, 170.997** is the 20% darker color. If you saturate the color by 10%, you get **75, 49.689, 170.664**, and if you desaturate by 10%, it is **77, 40.040, 173.677**.

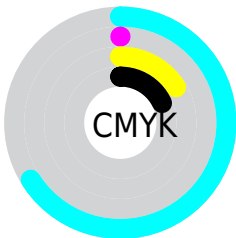
Distribution



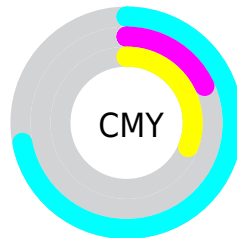
- Red (28%)
- Green (82%)
- Blue (69%)



- Red (28%)
- Yellow (59%)
- Blue (82%)



- Cyan (66%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)





- Cyan (72%)
- Magenta (18%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 45.290, 172.252 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, 45.290, 172.252 by changing the saturation by 10% instead.


 76, 45.290,
172.252


 76, 45.290,
172.252


 100, 45.290,
172.252


 66, 45.290,
172.252


 96, 45.290,
172.252

 56, 45.290,
172.252

 46, 45.290,
172.252

 36, 45.290,
172.252

 26, 45.290,
172.252

 16, 45.290,
172.252

 6, 45.290, 172.252

0, 45.290, 172.252

76, 45.290,
172.252

76, 45.290,
172.252

75, 49.689,
170.664

77, 40.040,
173.677

75, 53.218,
168.896

78, 34.011,
174.966

75, 55.941,
166.940

79, 27.317,
176.144

75, 56.982,
166.080

80, 20.089,
177.231

81, 12.462,
178.251

83, 4.563, 179.265

■ 84, 3.497, 359.898

■ 86, 11.623, 0.849

■ 88, 18.194,
359.795

Harmonies

Complementary

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



76, 45.290, 172.252



51, 57.373, 10.670

Rectangle

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



76, 45.290, 172.252



76, 45.290, 222.252



76, 45.290, 352.252



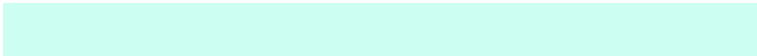
76, 45.290, 42.252

Sweetspot

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



76, 45.290, 172.251



96, 18.578, 177.794



75, 78.653, 133.742



51, 12.616, 177.502



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, 45.290, 172.251



90, 59.656, 169.939



67, 32.352, 233.880



43, 4.548, 178.876



61, 48.324, 166.416



14, 17.383, 170.994

Inverse Universe

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



51, 57.373, 10.670



57, 78.421, 15.956



56, 53.265, 44.749



41, 4.697, 0.497



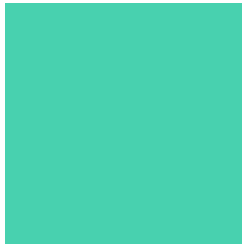
35, 65.863, 25.211



4, 20.329, 8.036

Previews

White Background



This preview shows how the CIELCh color 76, 45.290, 172.252 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, 45.290, 172.252 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

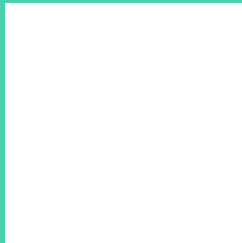
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 45.290, 172.252

Background



This preview shows how black text looks on a background with the CIELCh color 76, 45.290, 172.252.

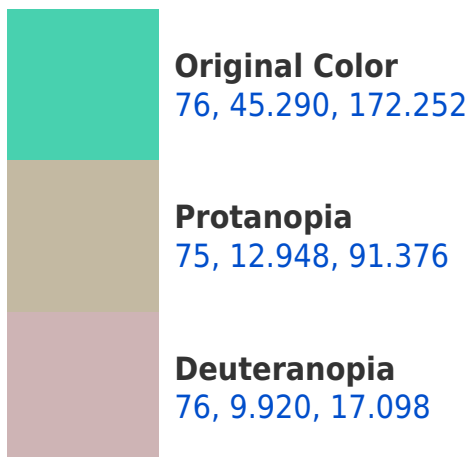


This preview shows how white text looks on a background with the CIELCh color 76, 45.290, 172.252.

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, 32.533, 212.777

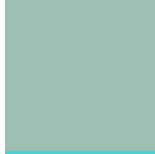
Trichromacy



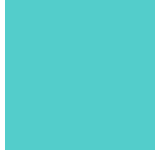
Original Color
76, 45.290, 172.252



Protanomaly
75, 21.918, 156.163



Deuteranomaly
74, 13.455, 172.098

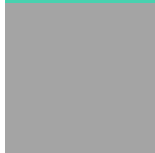


Tritanomaly
76, 35.213, 195.100

Monochromacy



Original Color
76, 45.290, 172.252



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 19.101, 177.635

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 45.290, 172.252 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(72, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(72, 209, 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(72, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 209, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 45.290, 172.252 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(72, 209, 175) }
```

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

```
.border{ border-color:rgb(72, 209, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(72, 209,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 45.290, 172.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 209, 175) }
```

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

```
.background{ background-color: rgb(72, 209,  
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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