

Converting Colors

CIELCh(76, 47.604, 176.545)

Have a look what the booklet for
CIELCh(76, 47.604, 176.545)
contains.

CIELCh(76, 47.557, 176.744)	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(76, 47.557, 176.744)

Conversions

Conversions Part 1

Format	Color
Hex	2BD2B5
RGB	43, 210, 181
RGB Percent	17%, 82%, 71%
CMY	0.8320, 0.1768, 0.2906
CMYK	0.80, 0.00, 0.14, 0.18
HSL	170°, 66%, 50%
HSV	170°, 80%, 82%
XYZ	32.3423, 49.8872, 51.5908
YIQ	156.7610, -90.2230, -44.4230

Conversions

Conversions Part 2

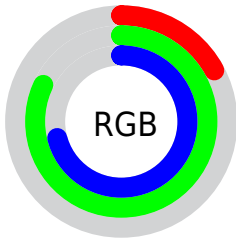
Format	Color
RYB	43, 134, 210
Decimal	2871989
CIELab	76.00, -47.48, 2.70
CIELCh	76, 47.557, 176.744
Yxy	49.8872, 0.2417, 0.3728
Android (android.graphics.Color)	4281062069 (0xFF2BD2B5)
YUV	156.7610, 11.9498, -99.7684
Hunter-Lab	70.6309, -41.8678, 6.1346

Details

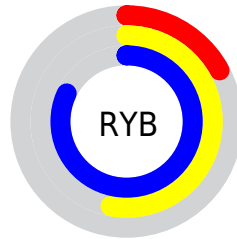
The CIELCh color **76, 47.557, 176.744** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **47, 69.206, 21.818**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.753, 183.837**, and **57, 40.896, 174.380** is the 20% darker color. If you saturate the color by 10%, you get **76, 50.105, 175.196**, and if you desaturate by 10%, it is **76, 44.129, 178.139**.

Distribution



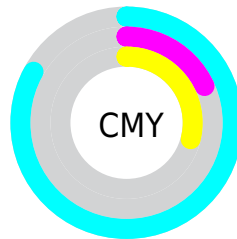
- Red (17%)
- Green (82%)
- Blue (71%)



- Red (17%)
- Yellow (53%)
- Blue (82%)



- Cyan (80%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)




- Cyan (83%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 47.557, 176.744 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, 47.557, 176.744 by changing the saturation by 10% instead.

 76, 47.557,
176.744


 76, 47.557,
176.744


 100, 47.557,
176.744

 66, 47.557,
176.744


 96, 47.557,
176.744

 56, 47.557,
176.744

 46, 47.557,
176.744

 36, 47.557,
176.744

 26, 47.557,
176.744

 16, 47.557,
176.744

 6, 47.557, 176.744

■ 0, 47.557, 176.744

■ 76, 47.557,
176.744

■ 76, 47.557,
176.744

■ 76, 50.105,
175.196

■ 76, 44.129,
178.139

■ 76, 51.943,
173.518

■ 77, 39.800,
179.404

■ 76, 52.014,
173.451

■ 78, 34.614,
180.561

■ 79, 28.662,
181.632

■ 80, 22.063,
182.636

■ 81, 14.947,
183.592

■ 83, 7.446, 184.528

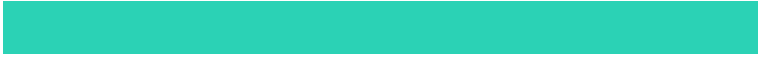
■ 84, 0.323, 3.657

■ 86, 8.254, 6.090

Harmonies

Complementary

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



76, 47.557, 176.744



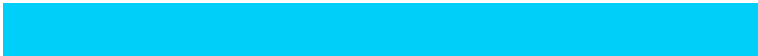
47, 69.206, 21.818

Rectangle

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



76, 47.557, 176.744



76, 47.557, 226.744



76, 47.557, 356.744



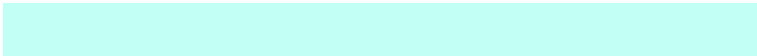
76, 47.557, 46.744

Sweetspot

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



76, 47.557, 176.743



96, 21.227, 183.150



75, 92.425, 134.671



51, 14.458, 182.804



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, 47.557, 176.743



90, 59.635, 173.936



61, 38.137, 249.980



43, 4.391, 184.546



62, 43.980, 173.738



14, 16.139, 177.501

Inverse Universe

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



47, 69.206, 21.818



54, 93.015, 30.470



54, 65.238, 49.871



41, 4.570, 6.082



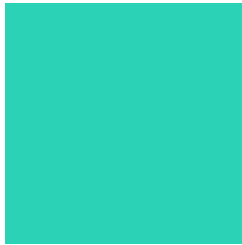
35, 69.018, 30.970



4, 20.160, 11.417

Previews

White Background



This preview shows how the CIELCh color 76, 47.557, 176.744 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, 47.557, 176.744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

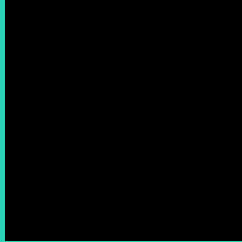
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

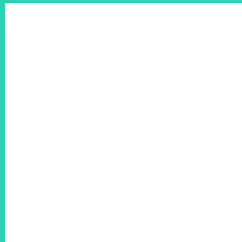
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 47.557, 176.744

Background



This preview shows how black text looks on a background with the CIELCh color 76, 47.557, 176.744.

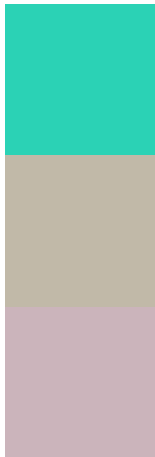


This preview shows how white text looks on a background with the CIELCh color 76, 47.557, 176.744.

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

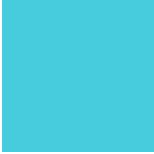
76, 47.557, 176.744

Protanopia

75, 9.629, 90.559

Deuteranopia

75, 9.436, 356.696



Tritanopia
76, 35.887, 211.992

Trichromacy



Original Color
76, 47.557, 176.744



Protanomaly
74, 23.132, 168.177



Deuteranomaly
74, 16.516, 186.735

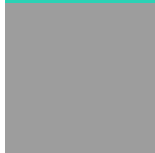


Tritanomaly
76, 38.664, 196.657

Monochromacy



Original Color
76, 47.557, 176.744



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 21.979, 182.975

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 47.557, 176.744 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(43, 210, 181)` looks like.

```
.text, #text, p{  
    color:rgb(43, 210, 181)  
}
```

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(43, 210, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 210, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 47.557, 176.744 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(43, 210, 181) }
```

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

```
.border{ border-color:rgb(43, 210, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 210, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 210, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 210, 181);  
box-shadow:4px 4px 4px 4px rgb(43, 210,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 47.557, 176.744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 210, 181) }
```

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

```
.background{ background-color: rgb(43, 210,  
181) }
```

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