

Converting Colors

CIELCh(76, 53.854, 166.966)

Have a look what the booklet for
CIELCh(76, 53.854, 166.966)
contains.

CIELCh(76, 53.764, 166.922)	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, 53.764, 166.922)

Conversions

Conversions Part 1

Format	Color
Hex	2BD3A3
RGB	43, 211, 163
RGB Percent	17%, 83%, 64%
CMY	0.8296, 0.1716, 0.3599
CMYK	0.79, 0.00, 0.23, 0.17
HSL	163°, 66%, 50%
HSV	163°, 79%, 83%
XYZ	31.0023, 49.8872, 42.7547
YIQ	155.2960, -84.7200, -50.5440

Conversions

Conversions Part 2

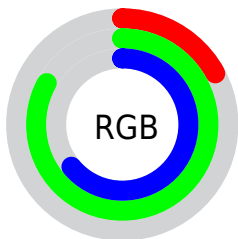
Format	Color
RYB	43, 141, 211
Decimal	2872227
CIELab	76.00, -52.37, 12.17
CIELCh	76, 53.764, 166.922
Yxy	49.8872, 0.2507, 0.4035
Android (android.graphics.Color)	4281062307 (0xFF2BD3A3)
YUV	155.2960, 3.7981, -98.4836
Hunter-Lab	70.6309, -45.2544, 13.5519

Details

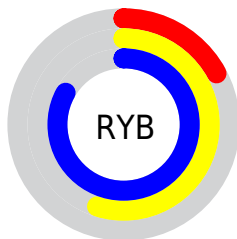
The CIELCh color **76, 53.764, 166.922** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **48, 67.267, 12.599**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 46.744, 172.251**, and **57, 47.491, 163.478** is the 20% darker color. If you saturate the color by 10%, you get **76, 57.363, 164.981**, and if you desaturate by 10%, it is **76, 49.309, 168.664**.

Distribution



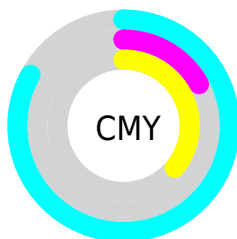
- Red (17%)
- Green (83%)
- Blue (64%)



- Red (17%)
- Yellow (55%)
- Blue (83%)



- Cyan (79%)
- Magenta (0%)
- Yellow (23%)
- Black (17%)





- Cyan (83%)
- Magenta (17%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 53.764, 166.922 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, 53.764, 166.922 by changing the saturation by 10% instead.


 76, 53.764,
166.922


 76, 53.764,
166.922


 100, 53.764,
166.922


 66, 53.764,
166.922


 96, 53.764,
166.922

 56, 53.764,
166.922

 46, 53.764,
166.922

 36, 53.764,
166.922

 26, 53.764,
166.922

 16, 53.764,
166.922

 6, 53.764, 166.922

■ 0, 53.764, 166.922

■ 76, 53.764,
166.922

■ 76, 53.764,
166.922

■ 76, 57.363,
164.981

■ 76, 49.309,
168.664

■ 75, 60.261,
162.882

■ 77, 43.992,
170.224

■ 75, 60.420,
162.765

■ 78, 37.872,
171.624

■ 79, 31.057,
172.889

■ 80, 23.679,
174.043

■ 82, 15.877,
175.110

 83, 7.786, 176.123

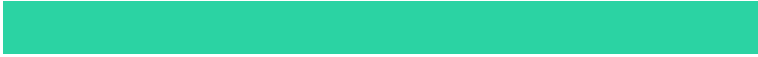
 85, 0.477, 355.923

 87, 8.812, 357.783

Harmonies

Complementary

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



76, 53.764, 166.922



48, 67.267, 12.599

Rectangle

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



76, 53.764, 166.922



76, 53.764, 216.922



76, 53.764, 346.922



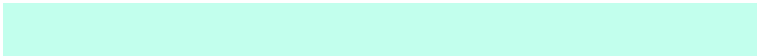
76, 53.764, 36.922

Sweetspot

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



76, 53.764, 166.921



96, 22.691, 174.604



76, 90.141, 132.269



50, 15.497, 174.216



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, 53.764, 166.921



89, 68.357, 163.596



67, 35.756, 228.883



43, 4.645, 176.126



61, 50.722, 163.136



14, 18.077, 167.999

Inverse Universe

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



48, 67.267, 12.599



54, 86.662, 20.779



51, 69.304, 42.311



41, 4.779, 357.760



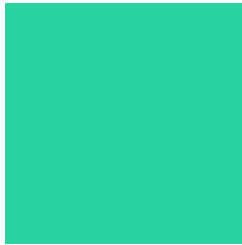
35, 64.518, 21.916



4, 20.445, 6.240

Previews

White Background



This preview shows how the CIELCh color 76, 53.764, 166.922 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 76, 53.764, 166.922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

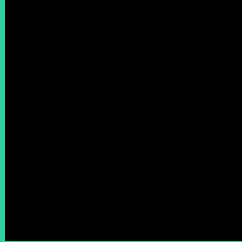
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

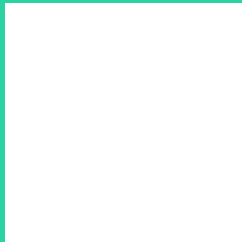
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 53.764, 166.922

Background



This preview shows how black text looks on a background with the CIELCh color 76, 53.764, 166.922.

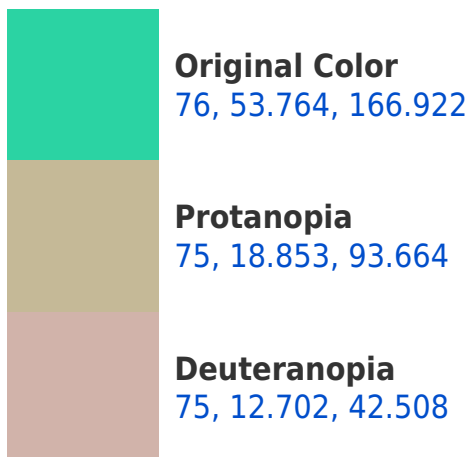


This preview shows how white text looks on a background with the CIELCh color 76, 53.764, 166.922.

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, 34.871, 211.559

Trichromacy



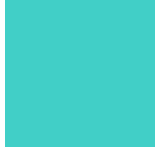
Original Color
76, 53.764, 166.922



Protanomaly
74, 29.581, 150.561



Deuteranomaly
74, 19.949, 159.310



Tritanomaly
76, 39.438, 190.237

Monochromacy



Original Color
76, 53.764, 166.922



Achromatopsia
64, 0.008, 296.813



Achromatomaly
67, 23.683, 174.038

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 53.764, 166.922 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, 211, 163)` looks like.

```
.text, #text, p{  
    color:rgb(43, 211, 163)  
}
```

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, 211, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 211, 163) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 53.764, 166.922 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, 211, 163) }
```

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

```
.border{ border-color:rgb(43, 211, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 211, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 211, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 211, 163);  
box-shadow:4px 4px 4px 4px rgb(43, 211,  
163) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 53.764, 166.922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 211, 163) }
```

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

```
.background{ background-color: rgb(43, 211,  
163) }
```

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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