

Converting Colors

CIELCh(76, 50.265, 169.332)

Have a look what the booklet for
CIELCh(76, 50.265, 169.332)
contains.

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Color

CIELCh(76, 50.009, 169.624)

Conversions

Conversions Part 1

Format	Color
Hex	37D2A9
RGB	55, 210, 169
RGB Percent	22%, 82%, 66%
CMY	0.7831, 0.1757, 0.3365
CMYK	0.74, 0.00, 0.20, 0.18
HSL	164°, 63%, 52%
HSV	164°, 74%, 82%
XYZ	31.8691, 49.8872, 45.5810
YIQ	158.9810, -79.2190, -45.6110

Conversions

Conversions Part 2

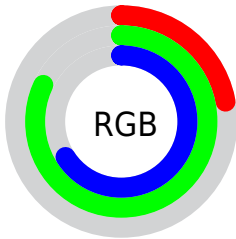
Format	Color
RYB	55, 144, 210
Decimal	3658409
CIELab	76.00, -49.19, 9.01
CIELCh	76, 50.009, 169.624
Yxy	49.8872, 0.2503, 0.3918
Android (android.graphics.Color)	4281848489 (0xFF37D2A9)
YUV	158.9810, 4.9394, -91.1913
Hunter-Lab	70.6309, -43.0638, 11.1793

Details

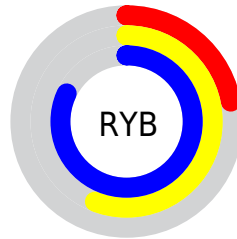
The CIELCh color **76, 50.009, 169.624** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **49, 63.545, 12.081**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 43.664, 175.058**, and **56, 44.729, 167.270** is the 20% darker color. If you saturate the color by 10%, you get **76, 53.883, 167.846**, and if you desaturate by 10%, it is **77, 45.264, 171.216**.

Distribution



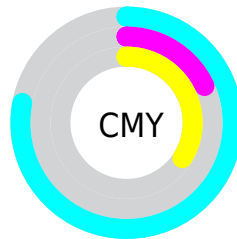
- Red (22%)
- Green (82%)
- Blue (66%)



- Red (22%)
- Yellow (56%)
- Blue (82%)



- Cyan (74%)
- Magenta (0%)
- Yellow (20%)
- Black (18%)




- Cyan (78%)
- Magenta (18%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 50.009, 169.624 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, 50.009, 169.624 by changing the saturation by 10% instead.


 76, 50.009,
169.624

 76, 50.009,
169.624


 100, 50.009,
169.624


 66, 50.009,
169.624


 96, 50.009,
169.624

 56, 50.009,
169.624

 46, 50.009,
169.624

 36, 50.009,
169.624

 26, 50.009,
169.624

 16, 50.009,
169.624

 6, 50.009, 169.624

■ 0, 50.009, 169.624

■ 76, 50.009,
169.624

■ 76, 50.009,
169.624

■ 76, 53.883,
167.846

■ 77, 45.264,
171.216

■ 75, 56.928,
165.876

■ 77, 39.679,
172.645

■ 75, 58.561,
164.580

■ 78, 33.341,
173.937

■ 79, 26.370,
175.114

■ 81, 18.902,
176.201

■ 82, 11.073,
177.222

■ 84, 3.008, 178.283

■ 85, 5.186, 358.901

■ 87, 13.417,
359.801

Harmonies

Complementary

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



76, 50.009, 169.624



49, 63.545, 12.081

Rectangle

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



76, 50.009, 169.624



76, 50.009, 219.624



76, 50.009, 349.624



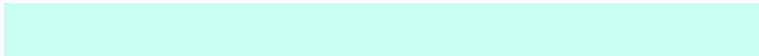
76, 50.009, 39.624

Sweetspot

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



76, 50.009, 169.623



96, 20.581, 176.352



75, 86.072, 133.085



51, 13.767, 176.064



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, 50.009, 169.623



90, 64.309, 166.828



66, 34.593, 233.246



43, 4.590, 177.651



61, 49.369, 164.934



14, 17.685, 169.648

Inverse Universe

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



49, 63.545, 12.081



55, 83.848, 18.842



54, 62.116, 43.933



41, 4.732, 359.280



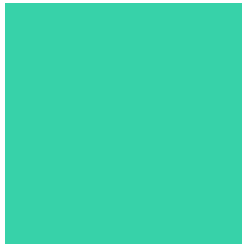
35, 65.243, 23.784



4, 20.376, 7.263

Previews

White Background



This preview shows how the CIE LCh color 76, 50.009, 169.624 looks on a white background.

Color Contrast Check

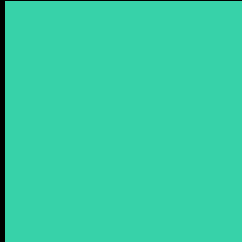
Large Text (above 18pt) WCAG AA × Fail

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, 50.009, 169.624 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

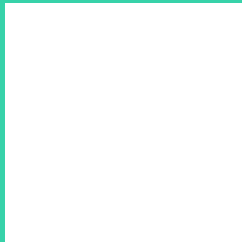
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 50.009, 169.624

Background



This preview shows how black text looks on a background with the CIELCh color 76, 50.009, 169.624.

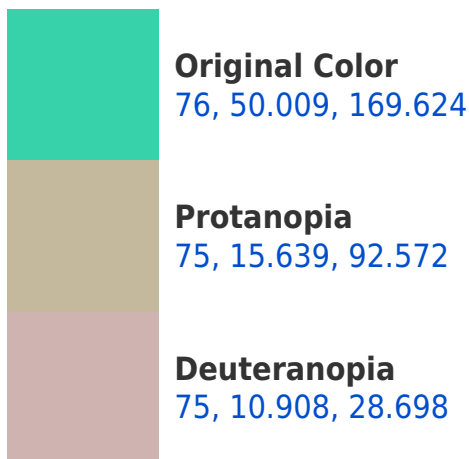


This preview shows how white text looks on a background with the CIELCh color 76, 50.009, 169.624.

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, 34.074, 212.928

Trichromacy



Original Color
76, 50.009, 169.624



Protanomaly
74, 25.542, 153.383



Deuteranomaly
74, 16.441, 166.324

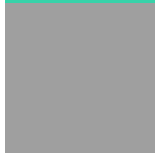


Tritanomaly
76, 37.542, 193.385

Monochromacy



Original Color
76, 50.009, 169.624



Achromatopsia
65, 0.008, 296.813



Achromatomaly
68, 21.966, 175.460

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 50.009, 169.624 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(55, 210, 169)` looks like.

```
.text, #text, p{  
    color:rgb(55, 210, 169)  
}
```

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(55, 210, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 210, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 50.009, 169.624 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(55, 210, 169) }
```

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

```
.border{ border-color:rgb(55, 210, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 210, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 210, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 210, 169);  
box-shadow:4px 4px 4px 4px rgb(55, 210,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 50.009, 169.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 210, 169) }
```

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

```
.background{ background-color: rgb(55, 210,  
169) }
```

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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