

Converting Colors

CIELCh(76, 55.026, 160.074)

Have a look what the booklet for
CIELCh(76, 55.026, 160.074)
contains.

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Color

CIELCh(76, 55.165, 160.003)

Conversions

Conversions Part 1

Format	Color
Hex	44D397
RGB	68, 211, 151
RGB Percent	27%, 83%, 59%
CMY	0.7347, 0.1737, 0.4089
CMYK	0.68, 0.00, 0.28, 0.17
HSL	155°, 62%, 55%
HSV	155°, 68%, 83%
XYZ	31.1458, 49.8872, 37.1518
YIQ	161.4030, -65.9680, -48.9760

Conversions

Conversions Part 2

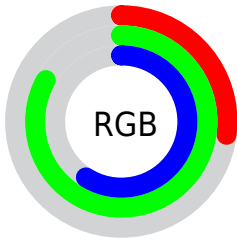
Format	Color
RYB	68, 158, 211
Decimal	4510615
CIELab	76.00, -51.84, 18.86
CIELCh	76, 55.165, 160.003
Yxy	49.8872, 0.2635, 0.4221
Android (android.graphics.Color)	4282700695 (0xFF44D397)
YUV	161.4030, -5.1287, -81.9144
Hunter-Lab	70.6309, -44.8917, 18.2551

Details

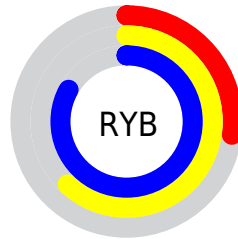
The CIELCh color **76, 55.165, 160.003** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **51, 60.707, 358.056**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.772, 163.748**, and **56, 51.826, 158.102** is the 20% darker color. If you saturate the color by 10%, you get **75, 60.968, 158.148**, and if you desaturate by 10%, it is **77, 48.533, 161.651**.

Distribution



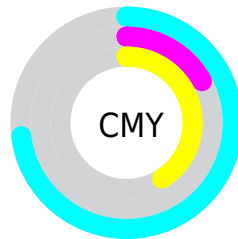
- Red (27%)
- Green (83%)
- Blue (59%)



- Red (27%)
- Yellow (62%)
- Blue (83%)



- Cyan (68%)
- Magenta (0%)
- Yellow (28%)
- Black (17%)





- Cyan (73%)
- Magenta (17%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 55.165, 160.003 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, 55.165, 160.003 by changing the saturation by 10% instead.


 76, 55.165,
160.003


 76, 55.165,
160.003


 100, 55.165,
160.003


 66, 55.165,
160.003


 96, 55.165,
160.003

 56, 55.165,
160.003

 46, 55.165,
160.003

 36, 55.165,
160.003

 26, 55.165,
160.003

 16, 55.165,
160.003

 6, 55.165, 160.003

■ 0, 55.165, 160.003

■ 76, 55.165,
160.003

■ 76, 55.165,
160.003

■ 75, 60.968,
158.148

■ 77, 48.533,
161.651

■ 75, 65.915,
156.081

■ 78, 41.162,
163.112

■ 75, 70.091,
153.834

■ 79, 33.184,
164.413

■ 75, 70.928,
153.371

■ 80, 24.747,
165.577

■ 81, 16.001,
166.631

■ 83, 7.083, 167.615

■ 85, 1.893, 348.181

■ 87, 10.833,
349.181

■ 89, 18.955,
348.554

Harmonies

Complementary

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



76, 55.165, 160.003



51, 60.707, 358.056

Rectangle

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



76, 55.165, 160.003



76, 55.165, 210.003



76, 55.165, 340.003



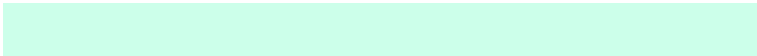
76, 55.165, 30.003

Sweetspot

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



76, 55.166, 160.002



96, 20.845, 166.395



77, 77.226, 128.543



51, 14.193, 166.099



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, 55.166, 160.002



89, 72.799, 157.349



75, 35.851, 205.262



43, 5.056, 167.468



61, 59.553, 153.765



13, 20.687, 159.138

Inverse Universe

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



51, 60.707, 358.056



57, 78.932, 2.361



51, 62.056, 33.013



41, 5.146, 349.035



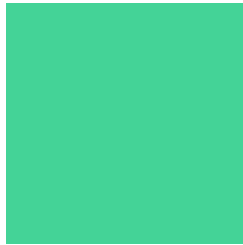
36, 61.931, 9.413



5, 21.125, 358.979

Previews

White Background



This preview shows how the CIELCh color 76, 55.165, 160.003 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, 55.165, 160.003 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

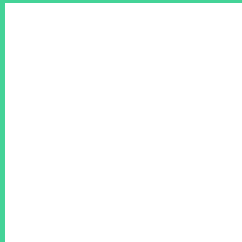
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 55.165, 160.003

Background



This preview shows how black text looks on a background with the CIELCh color 76, 55.165, 160.003.

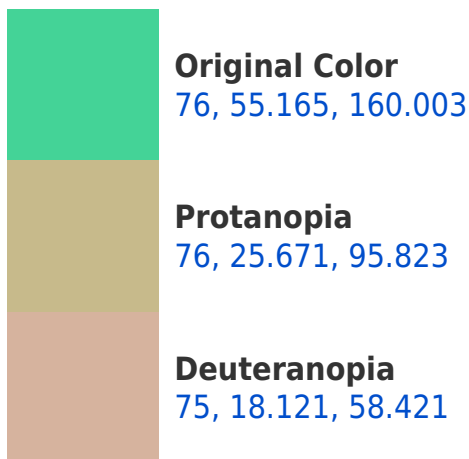


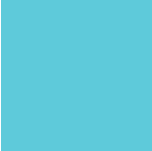
This preview shows how white text looks on a background with the CIELCh color 76, 55.165, 160.003.

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, 31.599, 213.315

Trichromacy



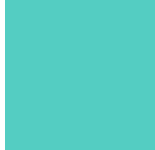
Original Color
76, 55.165, 160.003



Protanomaly
75, 32.627, 138.725



Deuteranomaly
74, 22.565, 138.851

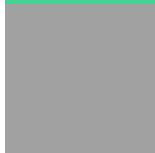


Tritanomaly
76, 36.518, 187.318

Monochromacy



Original Color
76, 55.165, 160.003



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 22.614, 165.259

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 55.165, 160.003 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(68, 211, 151)` looks like.

```
.text, #text, p{  
    color:rgb(68, 211, 151)  
}
```

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(68, 211, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 211, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 55.165, 160.003 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(68, 211, 151) }
```

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

```
.border{ border-color:rgb(68, 211, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 211, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 211, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 211, 151);  
box-shadow:4px 4px 4px 4px rgb(68, 211,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 55.165, 160.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 211, 151) }
```

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

```
.background{ background-color: rgb(68, 211,  
151) }
```

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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