

Converting Colors

CIELCh(76, 54.503, 157.645)

Have a look what the booklet for
CIELCh(76, 54.503, 157.645)
contains.

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Color

CIELCh(76, 54.643, 157.608)

Conversions

Conversions Part 1

Format	Color
Hex	4ED293
RGB	78, 210, 147
RGB Percent	31%, 82%, 58%
CMY	0.6936, 0.1760, 0.4231
CMYK	0.63, 0.00, 0.30, 0.18
HSL	151°, 60%, 57%
HSV	151°, 63%, 82%
XYZ	31.5040, 49.8872, 35.6176
YIQ	163.3500, -58.4490, -47.5770

Conversions

Conversions Part 2

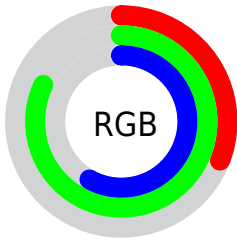
Format	Color
RYB	78, 165, 210
Decimal	5165715
CIELab	76.00, -50.52, 20.82
CIELCh	76, 54.643, 157.608
Yxy	49.8872, 0.2692, 0.4264
Android (android.graphics.Color)	4283355795 (0xFF4ED293)
YUV	163.3500, -8.0605, -74.8520
Hunter-Lab	70.6309, -43.9865, 19.5430

Details

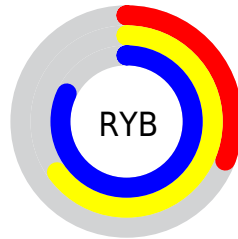
The CIELCh color **76, 54.643, 157.608** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **53, 58.242, 352.725**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.657, 160.756**, and **56, 52.924, 156.636** is the 20% darker color. If you saturate the color by 10%, you get **75, 61.382, 155.852**, and if you desaturate by 10%, it is **77, 47.118, 159.161**.

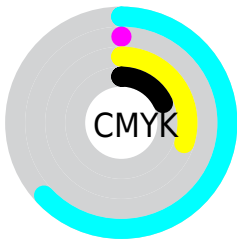
Distribution



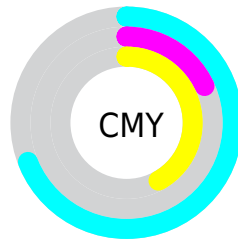
- Red (31%)
- Green (82%)
- Blue (58%)



- Red (31%)
- Yellow (65%)
- Blue (82%)



- Cyan (63%)
- Magenta (0%)
- Yellow (30%)
- Black (18%)



- Cyan (69%)
- Magenta (18%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 54.643, 157.608 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, 54.643, 157.608 by changing the saturation by 10% instead.

 76, 54.643,
157.608

 76, 54.643,
157.608

 100, 54.643,
157.608

 66, 54.643,
157.608


 96, 54.643,
157.608

 56, 54.643,
157.608

 46, 54.643,
157.608

 36, 54.643,
157.608

 26, 54.643,
157.608

 16, 54.643,
157.608

 6, 54.643, 157.608

■ 0, 54.643, 157.608

■ 76, 54.643,
157.608

■ 76, 54.643,
157.608

■ 75, 61.382,
155.852

■ 77, 47.118,
159.161

■ 75, 67.260,
153.882

■ 78, 38.931,
160.532

■ 75, 72.278,
151.708

■ 79, 30.236,
161.748

■ 74, 75.480,
150.092

■ 80, 21.189,
162.832

■ 82, 11.939,
163.815

■ 84, 2.615, 164.817

■ 86, 6.681, 345.385

■ 88, 15.867,
346.153

■ 89, 21.421,
339.631

Harmonies

Complementary

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



76, 54.643, 157.608



53, 58.242, 352.725

Rectangle

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



76, 54.643, 157.608



76, 54.643, 207.608



76, 54.643, 337.608



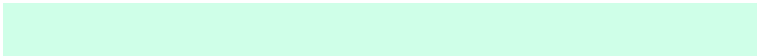
76, 54.643, 27.608

Sweetspot

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



76, 54.644, 157.608



96, 20.684, 163.196



78, 71.210, 126.954



51, 14.217, 162.905



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, 54.644, 157.608



90, 73.194, 155.279



77, 36.140, 198.757



43, 5.267, 164.135



61, 63.486, 150.481



13, 21.886, 155.915

Inverse Universe

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



53, 58.242, 352.725



59, 76.843, 355.808



52, 58.452, 29.113



41, 5.340, 345.639



36, 61.932, 3.815



5, 21.595, 355.391

Previews

White Background



This preview shows how the CIELCh color 76, 54.643, 157.608 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, 54.643, 157.608 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, 54.643, 157.608

Background



This preview shows how black text looks on a background with the CIELCh color 76, 54.643, 157.608.

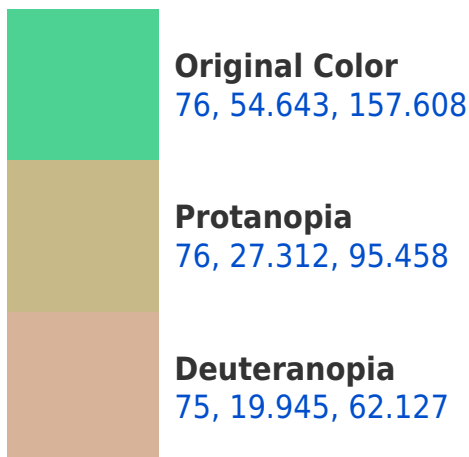


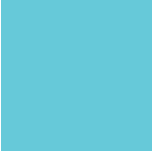
This preview shows how white text looks on a background with the CIELCh color 76, 54.643, 157.608.

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, 29.832, 214.409

Trichromacy



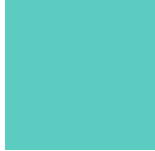
Original Color
76, 54.643, 157.608



Protanomaly
75, 33.069, 134.684



Deuteranomaly
74, 23.103, 132.937

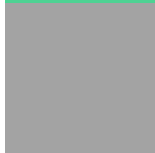


Tritanomaly
76, 34.741, 186.037

Monochromacy



Original Color
76, 54.643, 157.608



Achromatopsia
67, 0.008, 296.813



Achromatomaly
69, 21.819, 162.363

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 54.643, 157.608 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(78, 210, 147)` looks like.

```
.text, #text, p{  
    color:rgb(78, 210, 147)  
}
```

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(78, 210, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 210, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 54.643, 157.608 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(78, 210, 147) }
```

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

```
.border{ border-color:rgb(78, 210, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 210, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 210, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 210, 147);  
box-shadow:4px 4px 4px 4px rgb(78, 210,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 54.643, 157.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 210, 147) }
```

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

```
.background{ background-color: rgb(78, 210,  
147) }
```

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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