

Converting Colors

CIELCh(76, 57.956, 156.318)

Have a look what the booklet for
CIELCh(76, 57.956, 156.318)
contains.

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Color

CIELCh(76, 58.141, 156.197)

Conversions

Conversions Part 1

Format	Color
Hex	47D38E
RGB	71, 211, 142
RGB Percent	28%, 83%, 56%
CMY	0.7215, 0.1725, 0.4431
CMYK	0.66, 0.00, 0.33, 0.17
HSL	150°, 61%, 55%
HSV	150°, 66%, 83%
XYZ	30.7796, 49.8872, 33.6024
YIQ	161.2740, -61.2910, -51.1390

Conversions

Conversions Part 2

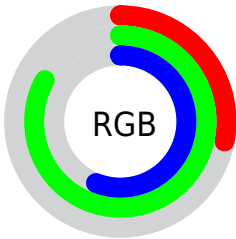
Format	Color
RYB	71, 164, 211
Decimal	4707214
CIELab	76.00, -53.20, 23.47
CIElCh	76, 58.141, 156.197
Yxy	49.8872, 0.2694, 0.4366
Android (android.graphics.Color)	4282897294 (0xFF47D38E)
YUV	161.2740, -9.5021, -79.1703
Hunter-Lab	70.6309, -45.8171, 21.2346

Details

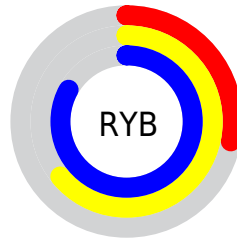
The CIELCh color **76, 58.141, 156.197** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **52, 61.345, 352.405**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 50.468, 159.305**, and **56, 55.476, 154.315** is the 20% darker color. If you saturate the color by 10%, you get **75, 64.736, 154.365**, and if you desaturate by 10%, it is **77, 50.721, 157.819**.

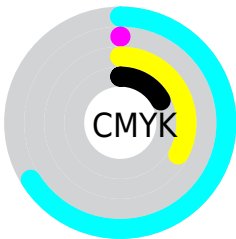
Distribution



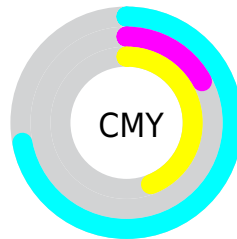
- Red (28%)
- Green (83%)
- Blue (56%)



- Red (28%)
- Yellow (64%)
- Blue (83%)



- Cyan (66%)
- Magenta (0%)
- Yellow (33%)
- Black (17%)





- Cyan (72%)
- Magenta (17%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 58.141, 156.197 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, 58.141, 156.197 by changing the saturation by 10% instead.


 76, 58.141,
156.197


 76, 58.141,
156.197


 100, 58.141,
156.197


 66, 58.141,
156.197


 96, 58.141,
156.197

 56, 58.141,
156.197

 46, 58.141,
156.197

 36, 58.141,
156.197

 26, 58.141,
156.197

 16, 58.141,
156.197

 6, 58.141, 156.197

0, 58.141, 156.197

76, 58.141,
156.197

76, 58.141,
156.197

75, 64.736,
154.365

77, 50.721,
157.819

75, 70.450,
152.321

78, 42.588,
159.250

75, 75.318,
150.090

79, 33.892,
160.513

75, 76.976,
149.284

80, 24.795,
161.636

82, 15.450,
162.643

83, 5.997, 163.582

■ 85, 3.453, 344.200

■ 87, 12.810,
345.031

■ 89, 20.310,
341.990

Harmonies

Complementary

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



76, 58.141, 156.197



52, 61.345, 352.405

Rectangle

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



76, 58.141, 156.197



76, 58.141, 206.197



76, 58.141, 336.197



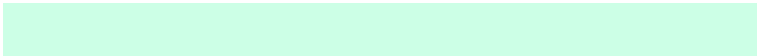
76, 58.141, 26.197

Sweetspot

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



76, 58.142, 156.197



96, 22.018, 162.264



78, 74.431, 126.323



51, 15.003, 161.978



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, 58.142, 156.197



89, 77.782, 153.467



78, 38.098, 196.742



43, 5.325, 163.294



61, 64.525, 149.678



13, 22.207, 155.116

Inverse Universe

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



52, 61.345, 352.405



58, 79.878, 356.065



50, 62.972, 29.317



41, 5.395, 344.780



36, 62.048, 2.347



5, 21.741, 354.404

Previews

White Background



This preview shows how the CIE LCh color 76, 58.141, 156.197 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, 58.141, 156.197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

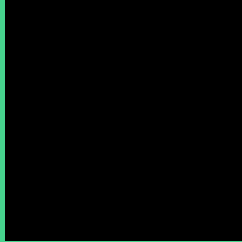
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 58.141, 156.197

Background



This preview shows how black text looks on a background with the CIELCh color 76, 58.141, 156.197.

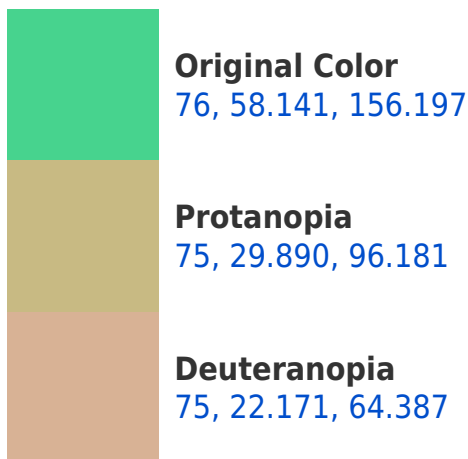


This preview shows how white text looks on a background with the CIELCh color 76, 58.141, 156.197.

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, 30.838, 213.767

Trichromacy



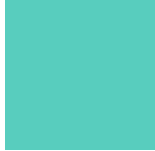
Original Color
76, 58.141, 156.197



Protanomaly
75, 35.958, 134.267



Deuteranomaly
74, 25.867, 131.914



Tritanomaly
76, 36.593, 183.867

Monochromacy



Original Color
76, 58.141, 156.197



Achromatopsia
66, 0.008, 296.813



Achromatomaly
69, 23.375, 161.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 58.141, 156.197 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(71, 211, 142)` looks like.

```
.text, #text, p{  
    color:rgb(71, 211, 142)  
}
```

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(71, 211, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 211, 142) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 58.141, 156.197 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(71, 211, 142) }
```

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

```
.border{ border-color:rgb(71, 211, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 211, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 211, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 211, 142);  
box-shadow:4px 4px 4px 4px rgb(71, 211,  
142) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 58.141, 156.197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 211, 142) }
```

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

```
.background{ background-color: rgb(71, 211,  
142) }
```

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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