

Converting Colors

CIELCh(76, 40.920, 167.875)

Have a look what the booklet for
CIELCh(76, 40.920, 167.875)
contains.

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Color

CIELCh(76, 41.130, 167.460)

Conversions

Conversions Part 1

Format	Color
Hex	62CFAA
RGB	98, 207, 170
RGB Percent	38%, 81%, 67%
CMY	0.6173, 0.1898, 0.3349
CMYK	0.53, 0.00, 0.18, 0.19
HSL	160°, 53%, 60%
HSV	160°, 53%, 81%
XYZ	34.4233, 49.8872, 45.6513
YIQ	170.1910, -53.0870, -34.6150

Conversions

Conversions Part 2

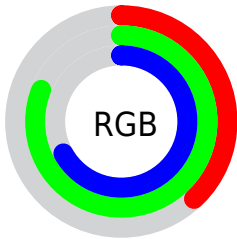
Format	Color
RYB	98, 164, 207
Decimal	6475690
CIELab	76.00, -40.15, 8.93
CIElCh	76, 41.130, 167.460
Yxy	49.8872, 0.2649, 0.3839
Android (android.graphics.Color)	4284665770 (0xFF62CFAA)
YUV	170.1910, -0.0942, -63.3115
Hunter-Lab	70.6309, -36.6088, 11.1204

Details

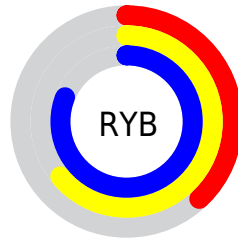
The CIELCh color **76, 41.130, 167.460** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 46.951, 0.371**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 36.100, 171.714**, and **56, 41.124, 167.498** is the 20% darker color. If you saturate the color by 10%, you get **75, 47.349, 165.952**, and if you desaturate by 10%, it is **77, 34.220, 168.808**.

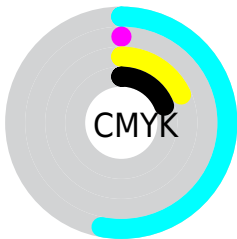
Distribution



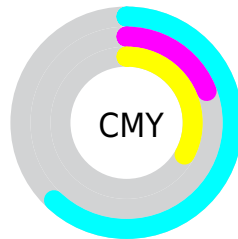
- Red (38%)
- Green (81%)
- Blue (67%)



- Red (38%)
- Yellow (64%)
- Blue (81%)



- Cyan (53%)
- Magenta (0%)
- Yellow (18%)
- Black (19%)





- Cyan (62%)
- Magenta (19%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 41.130, 167.460 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, 41.130, 167.460 by changing the saturation by 10% instead.


 76, 41.130,
167.460


 76, 41.130,
167.460


 100, 41.130,
167.460


 66, 41.130,
167.460


 96, 41.130,
167.460

 56, 41.130,
167.460

 46, 41.130,
167.460

 36, 41.130,
167.460

 26, 41.130,
167.460

 16, 41.130,
167.460

 6, 41.130, 167.460

0, 41.130, 167.460

76, 41.130,
167.460

76, 41.130,
167.460

75, 47.349,
165.952

77, 34.220,
168.808

75, 52.774,
164.264

78, 26.746,
170.025

74, 57.359,
162.374

79, 18.849,
171.133

74, 61.128,
160.278

81, 10.667,
172.162

74, 63.488,
158.695

82, 2.320, 173.255

84, 6.088, 353.842

86, 14.474,

354.703

■ 88, 20.208,
351.600

■ 88, 22.083,
343.201

Harmonies

Complementary

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



76, 41.130, 167.460



56, 46.951, 0.371

Rectangle

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



76, 41.130, 167.460



76, 41.130, 217.460



76, 41.130, 347.460



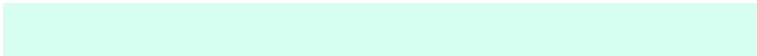
76, 41.130, 37.460

Sweetspot

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



76, 41.131, 167.459



97, 15.816, 171.816



76, 62.537, 131.585



51, 10.659, 171.603



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, 41.131, 167.459



91, 56.172, 165.792



72, 28.417, 215.919



43, 4.796, 172.498



61, 54.182, 159.047



14, 19.088, 164.190

Inverse Universe

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



56, 46.951, 0.371



63, 65.376, 2.988



58, 42.924, 35.945



41, 4.911, 354.123



35, 63.068, 17.064



5, 20.660, 3.521

Previews

White Background



This preview shows how the CIELCh color 76, 41.130, 167.460 looks on a white background.

Color Contrast Check

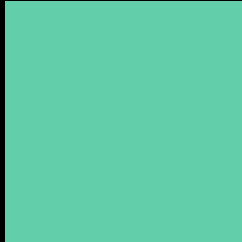
Large Text (above 18pt) WCAG AA × Fail

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, 41.130, 167.460 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

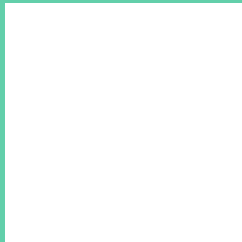
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 41.130, 167.460

Background



This preview shows how black text looks on a background with the CIELCh color 76, 41.130, 167.460.

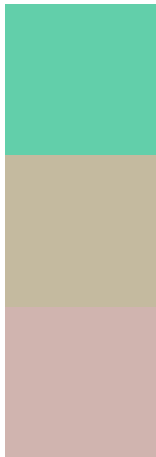


This preview shows how white text looks on a background with the CIELCh color 76, 41.130, 167.460.

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](#).

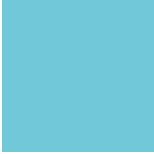
Dichromacy



Original Color
76, 41.130, 167.460

Protanopia
76, 14.998, 93.553

Deuteranopia
76, 11.153, 34.080



Tritanopia
76, 27.499, 216.054

Trichromacy



Original Color
76, 41.130, 167.460



Protanomaly
75, 20.451, 145.910



Deuteranomaly
75, 12.368, 150.750

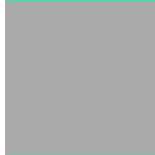


Tritanomaly
76, 29.693, 194.078

Monochromacy



Original Color
76, 41.130, 167.460



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 15.951, 171.697

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 41.130, 167.460 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(98, 207, 170)` looks like.

```
.text, #text, p{  
    color:rgb(98, 207, 170)  
}
```

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(98, 207, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 207, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 41.130, 167.460 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(98, 207, 170) }
```

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

```
.border{ border-color:rgb(98, 207, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 207, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 207, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 207, 170);  
box-shadow:4px 4px 4px 4px rgb(98, 207,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 41.130, 167.460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 207, 170) }
```

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

```
.background{ background-color: rgb(98, 207,  
170) }
```

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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