

Converting Colors

CIELCh(76, 48.199, 157.906)

Have a look what the booklet for
CIELCh(76, 48.199, 157.906)
contains.

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Color

CIELCh(76, 48.295, 157.672)

Conversions

Conversions Part 1

Format	Color
Hex	61D098
RGB	97, 208, 152
RGB Percent	38%, 82%, 60%
CMY	0.6198, 0.1845, 0.4041
CMYK	0.53, 0.00, 0.27, 0.18
HSL	150°, 54%, 60%
HSV	150°, 53%, 82%
XYZ	33.1286, 49.8872, 37.5658
YIQ	168.4270, -48.1800, -40.9480

Conversions

Conversions Part 2

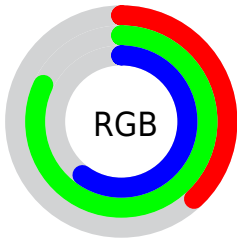
Format	Color
RYB	97, 171, 208
Decimal	6410392
CIELab	76.00, -44.67, 18.35
CIELCh	76, 48.295, 157.672
Yxy	49.8872, 0.2747, 0.4137
Android (android.graphics.Color)	4284600472 (0xFF61D098)
YUV	168.4270, -8.0985, -62.6415
Hunter-Lab	70.6309, -39.8806, 17.9076

Details

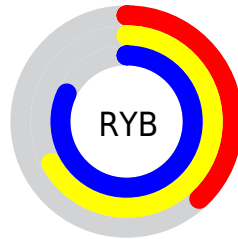
The CIELCh color **76, 48.295, 157.672** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **56, 50.944, 349.257**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 42.362, 160.264**, and **56, 48.325, 157.653** is the 20% darker color. If you saturate the color by 10%, you get **75, 55.957, 156.113**, and if you desaturate by 10%, it is **77, 39.974, 159.045**.

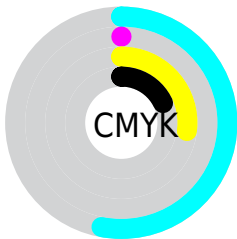
Distribution



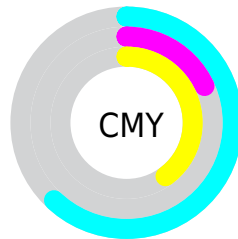
- Red (38%)
- Green (82%)
- Blue (60%)



- Red (38%)
- Yellow (67%)
- Blue (82%)



- Cyan (53%)
- Magenta (0%)
- Yellow (27%)
- Black (18%)





- Cyan (62%)
- Magenta (18%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 48.295, 157.672 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, 48.295, 157.672 by changing the saturation by 10% instead.

 76, 48.295,
157.672


 76, 48.295,
157.672


 100, 48.295,
157.672


 66, 48.295,
157.672


 96, 48.295,
157.672

 56, 48.295,
157.672

 46, 48.295,
157.672

 36, 48.295,
157.672

 26, 48.295,
157.672

 16, 48.295,
157.672

 6, 48.295, 157.672

■ 0, 48.295, 157.672

■ 76, 48.295,
157.672

■ 76, 48.295,
157.672

■ 75, 55.957,
156.113

■ 77, 39.974,
159.045

■ 75, 62.829,
154.349

■ 78, 31.148,
160.259

■ 74, 68.836,
152.373

■ 80, 21.976,
161.337

■ 74, 73.976,
150.198

■ 81, 12.609,
162.308

■ 74, 77.021,
148.722

■ 83, 3.177, 163.268

■ 85, 6.217, 343.851

■ 87, 15.490,

344.605

■ 88, 22.254,
340.391

■ 88, 26.000,
331.106

Harmonies

Complementary

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



76, 48.295, 157.672



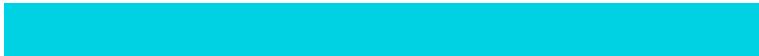
56, 50.944, 349.257

Rectangle

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



76, 48.295, 157.672



76, 48.295, 207.672



76, 48.295, 337.672



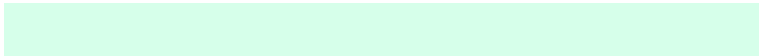
76, 48.295, 27.672

Sweetspot

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



76, 48.296, 157.672



97, 17.788, 162.044



78, 60.578, 126.039



51, 12.004, 161.844



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, 48.296, 157.672



90, 66.420, 155.883



77, 33.135, 195.307



43, 5.370, 162.675



61, 65.302, 149.093



13, 22.447, 154.538

Inverse Universe

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



56, 50.944, 349.257



63, 69.796, 351.276



55, 48.472, 24.681



41, 5.437, 344.146



36, 62.167, 1.253



5, 21.858, 353.654

Previews

White Background



This preview shows how the CIELCh color 76, 48.295, 157.672 looks on a white background.

Color Contrast Check

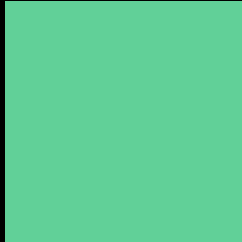
Large Text (above 18pt) WCAG AA × Fail

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, 48.295, 157.672 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, 48.295, 157.672

Background



This preview shows how black text looks on a background with the CIELCh color 76, 48.295, 157.672.

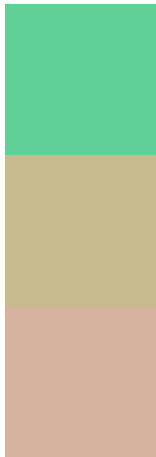


This preview shows how white text looks on a background with the CIELCh color 76, 48.295, 157.672.

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, 48.295, 157.672

Protanopia
76, 24.116, 95.255

Deuteranopia
75, 18.121, 58.421



Tritanopia
76, 26.832, 216.571

Trichromacy



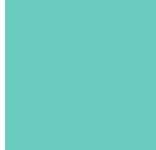
Original Color
76, 48.295, 157.672



Protanomaly
75, 28.536, 133.548



Deuteranomaly
75, 19.693, 130.321

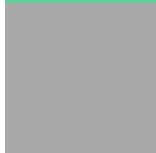


Tritanomaly
76, 30.789, 186.977

Monochromacy



Original Color
76, 48.295, 157.672



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 19.102, 161.055

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 48.295, 157.672 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(97, 208, 152)` looks like.

```
.text, #text, p{  
    color:rgb(97, 208, 152)  
}
```

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(97, 208, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 208, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 48.295, 157.672 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(97, 208, 152) }
```

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

```
.border{ border-color:rgb(97, 208, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 208, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 208, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 208, 152);  
box-shadow:4px 4px 4px 4px rgb(97, 208,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 48.295, 157.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 208, 152) }
```

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

```
.background{ background-color: rgb(97, 208,  
152) }
```

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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