

Converting Colors

CIELCh(77, 26.791, 197.477)

Have a look what the booklet for
CIELCh(77, 26.791, 197.477)
contains.

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Color

CIELCh(77, 26.676, 197.476)

Conversions

Conversions Part 1

Format	Color
Hex	78CCCC
RGB	120, 204, 204
RGB Percent	47%, 80%, 80%
CMY	0.5294, 0.2000, 0.2000
CMYK	0.41, 0.00, 0.00, 0.20
HSL	180°, 45%, 64%
HSV	180°, 41%, 80%
XYZ	40.2320, 51.5317, 64.9463
YIQ	178.8840, -50.0640, -17.8080

Conversions

Conversions Part 2

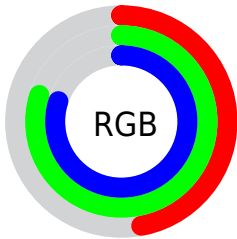
Format	Color
R _Y B	120, 162, 204
Decimal	7916748
CIE Lab	77.00, -25.44, -8.01
CIE LCh	77, 26.676, 197.476
Yxy	51.5317, 0.2567, 0.3288
Android (android.graphics.Color)	4286106828 (0xFF78CCCC)
YUV	178.8840, 12.3822, -51.6413
Hunter-Lab	71.7856, -25.5852, -3.3912

Details

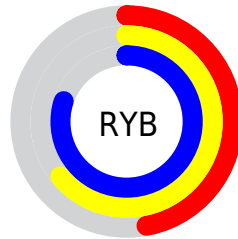
The CIELCh color **77, 26.676, 197.476** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 35.726, 23.482**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.109, 197.869**, and **57, 26.888, 196.976** is the 20% darker color. If you saturate the color by 10%, you get **76, 31.479, 197.133**, and if you desaturate by 10%, it is **78, 21.100, 197.876**.

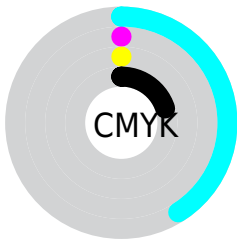
Distribution



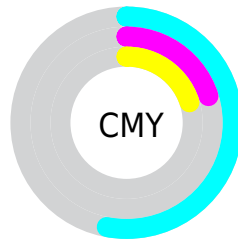
- Red (47%)
- Green (80%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)




- Cyan (53%)
- Magenta (20%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 26.676, 197.476 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 77, 26.676, 197.476 by changing the saturation by 10% instead.


 77, 26.676,
197.476


 77, 26.676,
197.476


 100, 26.676,
197.476


 67, 26.676,
197.476


 97, 26.676,
197.476

 57, 26.676,
197.476

 47, 26.676,
197.476

 37, 26.676,
197.476

 27, 26.676,
197.476

 17, 26.676,
197.476

 7, 26.676, 197.476

0, 26.676, 197.476

77, 26.676,
197.476

77, 26.676,
197.476

76, 31.479,
197.133

78, 21.100,
197.876

76, 35.421,
196.858

79, 14.862,
198.339

75, 38.450,
196.650

80, 8.080, 198.869

75, 40.558,
196.506

82, 0.872, 199.981

75, 41.802,
196.421

83, 6.655, 19.824

75, 42.358,
196.383

85, 14.405, 20.464

86, 19.272, 20.850

■ 86, 19.272, 20.849

■ 86, 19.272, 20.849

Harmonies

Complementary

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



77, 26.676, 197.476



60, 35.726, 23.482

Rectangle

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



77, 26.676, 197.476



77, 26.676, 247.476



77, 26.676, 17.476



77, 26.676, 67.476

Sweetspot

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



77, 26.676, 197.474



98, 10.369, 198.813



75, 54.163, 140.938



52, 6.853, 198.739



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



77, 26.676, 197.474



93, 36.434, 197.182



66, 25.712, 260.684



42, 4.119, 198.975



62, 36.302, 196.383



13, 13.514, 196.384

Inverse Universe

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



60, 35.726, 23.482



69, 52.291, 25.037



69, 29.293, 68.588



40, 4.369, 19.923



34, 75.553, 39.822



4, 17.910, 19.404

Previews

White Background



This preview shows how the CIELCh color 77, 26.676, 197.476 looks on a white background.

Color Contrast Check

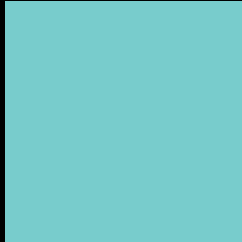
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 26.676, 197.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

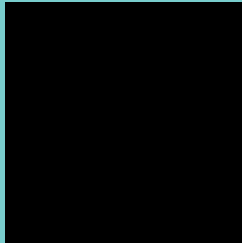
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

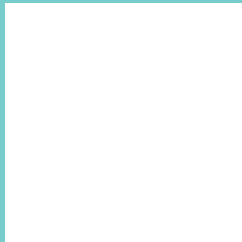
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 26.676, 197.476

Background



This preview shows how black text looks on a background with the CIELCh color 77, 26.676, 197.476.

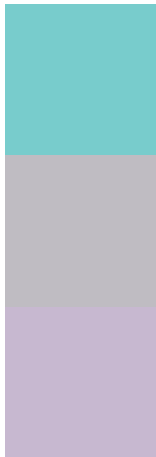


This preview shows how white text looks on a background with the CIELCh color 77, 26.676, 197.476.

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](#).

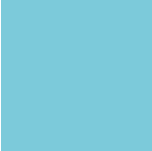
Dichromacy



Original Color
77, 26.676, 197.476

Protanopia
77, 3.428, 309.168

Deuteranopia
77, 14.057, 313.783



Tritanopia
77, 25.224, 217.894

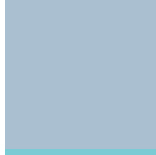
Trichromacy



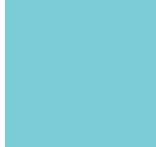
Original Color
77, 26.676, 197.476



Protanomaly
76, 10.340, 210.756



Deuteranomaly
76, 11.104, 250.112

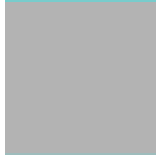


Tritanomaly
77, 25.341, 210.020

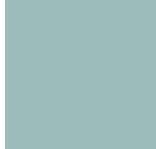
Monochromacy



Original Color
77, 26.676, 197.476



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 10.653, 198.612

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 26.676, 197.476 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(120, 204, 204)` looks like.

```
.text, #text, p{  
    color:rgb(120, 204, 204)  
}
```

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(120, 204, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 204, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 26.676, 197.476 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(120, 204, 204) }
```

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

```
.border{ border-color:rgb(120, 204, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 204, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 204, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 204, 204);  
box-shadow:4px 4px 4px 4px rgb(120, 204,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 26.676, 197.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 204, 204) }
```

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

```
.background{ background-color: rgb(120,  
204, 204) }
```

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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