

Converting Colors

CIELCh(76, 30.549, 189.927)

Have a look what the booklet for
CIELCh(76, 30.549, 189.927)
contains.

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Color

CIELCh(76, 30.507, 190.001)

Conversions

Conversions Part 1

Format	Color
Hex	6BCBC4
RGB	107, 203, 196
RGB Percent	42%, 80%, 77%
CMY	0.5799, 0.2035, 0.2309
CMYK	0.47, 0.00, 0.03, 0.20
HSL	176°, 48%, 61%
HSV	176°, 47%, 80%
XYZ	37.4352, 49.8872, 59.9454
YIQ	173.4980, -54.9690, -22.5290

Conversions

Conversions Part 2

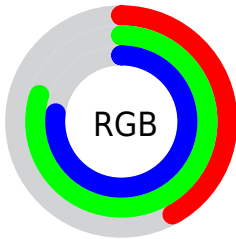
Format	Color
R _Y B	107, 157, 203
Decimal	7064516
CIE Lab	76.00, -30.04, -5.30
CIE LCh	76, 30.507, 190.001
Yxy	49.8872, 0.2542, 0.3388
Android (android.graphics.Color)	4285254596 (0xFF6BCBC4)
YUV	173.4980, 11.0935, -58.3187
Hunter-Lab	70.6309, -28.9971, -0.8786

Details

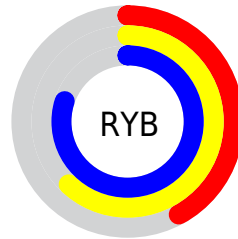
The CIELCh color **76, 30.507, 190.001** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 40.866, 19.214**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.521, 195.567**, and **56, 30.470, 190.054** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.120, 189.270**, and if you desaturate by 10%, it is **77, 25.109, 190.719**.

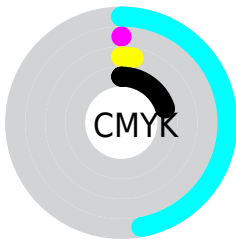
Distribution



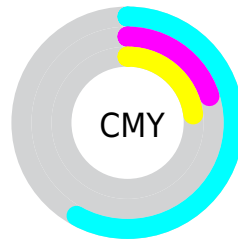
- Red (42%)
- Green (80%)
- Blue (77%)



- Red (42%)
- Yellow (62%)
- Blue (80%)



- Cyan (47%)
- Magenta (0%)
- Yellow (3%)
- Black (20%)





- Cyan (58%)
- Magenta (20%)
- Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 30.507, 190.001 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, 30.507, 190.001 by changing the saturation by 10% instead.


 76, 30.507,
190.001


 76, 30.507,
190.001


 100, 30.507,
190.001


 66, 30.507,
190.001


 96, 30.507,
190.001

 56, 30.507,
190.001

 46, 30.507,
190.001

 36, 30.507,
190.001

 26, 30.507,
190.001

 16, 30.507,
190.001

 6, 30.507, 190.001

0, 30.507, 190.001

76, 30.507,
190.001

76, 30.507,
190.001

75, 35.120,
189.270

77, 25.109,
190.719

75, 38.865,
188.521

78, 19.033,
191.438

74, 41.701,
187.739

79, 12.401,
192.167

74, 43.646,
186.906

81, 5.336, 192.940

82, 2.050, 13.287

74, 44.802,
186.013

84, 9.654, 14.214

74, 45.059,
185.766

86, 17.393, 14.954

■ 86, 19.603, 13.546

■ 86, 19.662, 11.314

Harmonies

Complementary

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



76, 30.507, 190.001



57, 40.866, 19.214

Rectangle

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



76, 30.507, 190.001



76, 30.507, 240.001



76, 30.507, 10.001



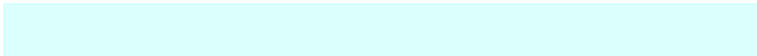
76, 30.507, 60.001

Sweetspot

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



76, 30.507, 189.999



98, 12.189, 192.395



74, 60.281, 138.901



52, 8.370, 192.232



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, 30.507, 189.999



92, 41.932, 189.234



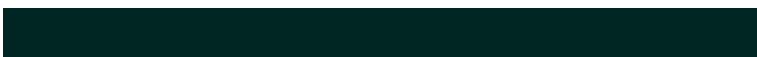
65, 27.214, 253.982



42, 4.164, 192.764



61, 38.699, 185.908



13, 14.191, 187.961

Inverse Universe

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



57, 40.866, 19.214



65, 60.456, 21.682



65, 33.669, 61.017



40, 4.383, 14.026



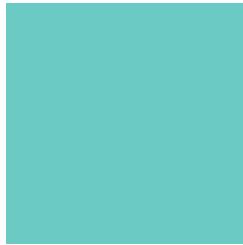
34, 72.648, 36.791



4, 17.961, 15.813

Previews

White Background



This preview shows how the CIE LCh color 76, 30.507, 190.001 looks on a white background.

Color Contrast Check

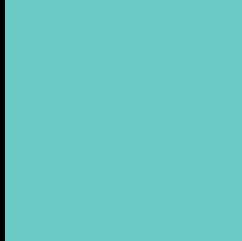
Large Text (above 18pt) WCAG AA × Fail

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, 30.507, 190.001 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

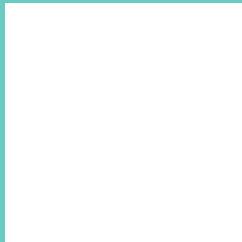
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 30.507, 190.001

Background



This preview shows how black text looks on a background with the CIELCh color 76, 30.507, 190.001.

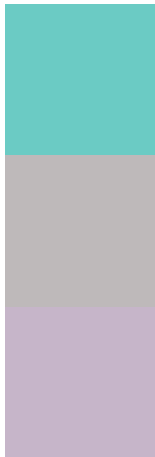


This preview shows how white text looks on a background with the CIELCh color 76, 30.507, 190.001.

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, 30.507, 190.001

Protanopia

76, 1.944, 3.232

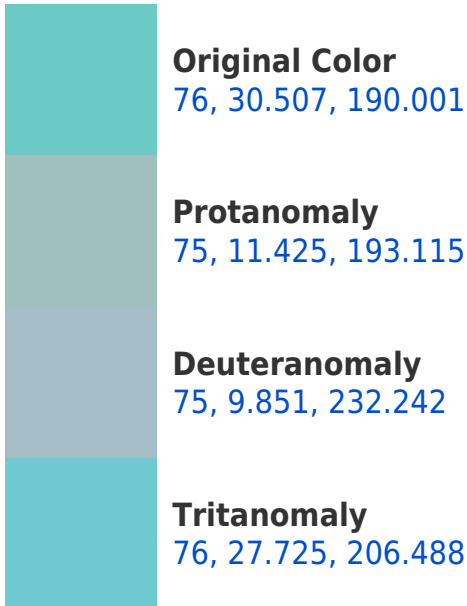
Deuteranopia

76, 12.492, 320.723

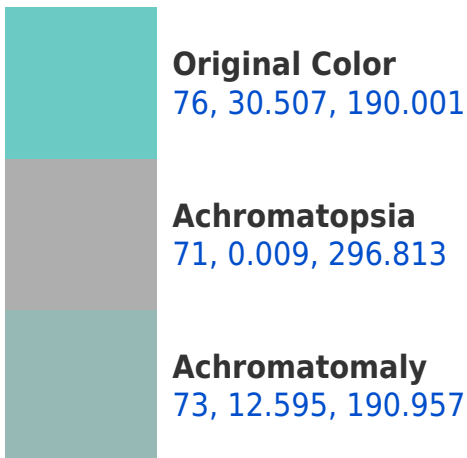


Tritanopia
76, 27.278, 216.222

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 30.507, 190.001 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(107, 203, 196)` looks like.

```
.text, #text, p{  
    color:rgb(107, 203, 196)  
}
```

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(107, 203, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 203, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 30.507, 190.001 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(107, 203, 196) }
```

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

```
.border{ border-color:rgb(107, 203, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 203, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 203, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 203, 196);  
box-shadow:4px 4px 4px 4px rgb(107, 203,  
196) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 30.507, 190.001 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 203, 196) }
```

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

```
.background{ background-color: rgb(107,  
203, 196) }
```

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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