

Converting Colors

CIELCh(76, 30.891, 193.025)

Have a look what the booklet for
CIELCh(76, 30.891, 193.025)
contains.

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Color

CIELCh(76, 30.756, 193.101)

Conversions

Conversions Part 1

Format	Color
Hex	68CBC7
RGB	104, 203, 199
RGB Percent	41%, 80%, 78%
CMY	0.5914, 0.2032, 0.2189
CMYK	0.49, 0.00, 0.02, 0.20
HSL	178°, 49%, 60%
HSV	178°, 49%, 80%
XYZ	37.4621, 49.8872, 61.8001
YIQ	172.9430, -57.7200, -22.2320

Conversions

Conversions Part 2

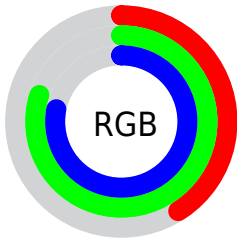
Format	Color
RYB	104, 155, 203
Decimal	6867911
CIELab	76.00, -29.96, -6.97
CIElCh	76, 30.756, 193.101
Yxy	49.8872, 0.2512, 0.3345
Android (android.graphics.Color)	4285057991 (0xFF68CBC7)
YUV	172.9430, 12.8461, -60.4630
Hunter-Lab	70.6309, -28.9290, -2.4355

Details

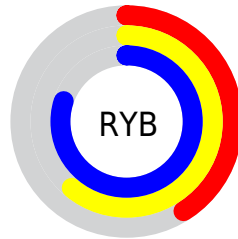
The CIELCh color **76, 30.756, 193.101** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 42.600, 21.923**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **56, 30.661, 193.350** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.081, 192.550**, and if you desaturate by 10%, it is **77, 25.613, 193.669**.

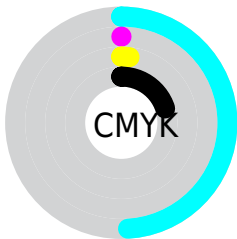
Distribution



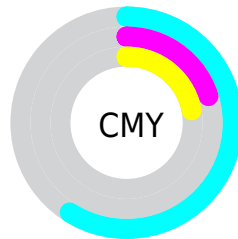
- Red (41%)
- Green (80%)
- Blue (78%)



- Red (41%)
- Yellow (61%)
- Blue (80%)



- Cyan (49%)
- Magenta (0%)
- Yellow (2%)
- Black (20%)





- Cyan (59%)
- Magenta (20%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 30.756, 193.101 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, 30.756, 193.101 by changing the saturation by 10% instead.


 76, 30.756,
193.101


 76, 30.756,
193.101


 100, 30.756,
193.101


 66, 30.756,
193.101


 96, 30.756,
193.101

 56, 30.756,
193.101

 46, 30.756,
193.101

 36, 30.756,
193.101

 26, 30.756,
193.101

 16, 30.756,
193.101

 6, 30.756, 193.101

0, 30.756, 193.101

76, 30.756,
193.101

76, 30.756,
193.101

75, 35.081,
192.550

77, 25.613,
193.669

75, 38.515,
192.015

78, 19.752,
194.264

74, 41.033,
191.486

79, 13.290,
194.889

74, 42.664,
190.951

80, 6.349, 195.565

74, 43.555,
190.401

82, 0.955, 15.546

84, 8.519, 16.721

74, 43.651,
190.330

85, 16.253, 17.421

■ 86, 19.543, 16.989

■ 86, 19.545, 15.741

Harmonies

Complementary

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



76, 30.756, 193.101



56, 42.600, 21.923

Rectangle

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



76, 30.756, 193.101



76, 30.756, 243.101



76, 30.756, 13.101



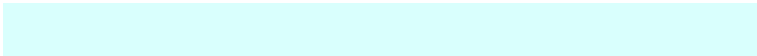
76, 30.756, 63.101

Sweetspot

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



76, 30.756, 193.099



97, 12.930, 195.117



74, 62.625, 139.489



52, 8.771, 194.978



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, 30.756, 193.099



92, 41.653, 192.547



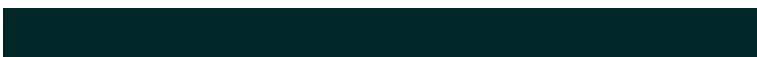
63, 28.953, 258.629



42, 4.138, 195.515



61, 37.501, 190.414



13, 13.858, 191.615

Inverse Universe

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



56, 42.600, 21.923



64, 62.294, 24.307



66, 34.963, 64.286



40, 4.371, 16.650



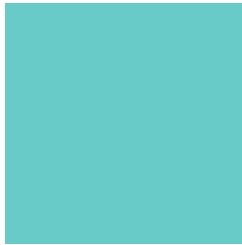
34, 73.910, 38.165



4, 17.930, 17.411

Previews

White Background



This preview shows how the CIELCh color 76, 30.756, 193.101 looks on a white background.

Color Contrast Check

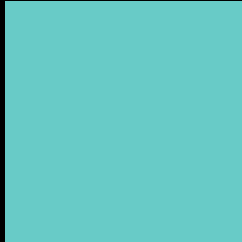
Large Text (above 18pt) WCAG AA × Fail

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, 30.756, 193.101 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

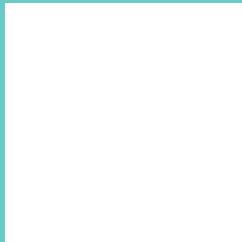
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 30.756, 193.101

Background



This preview shows how black text looks on a background with the CIELCh color 76, 30.756, 193.101.

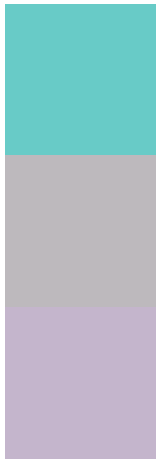


This preview shows how white text looks on a background with the CIELCh color 76, 30.756, 193.101.

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, 30.756, 193.101

Protanopia
76, 2.635, 324.463

Deuteranopia
76, 13.605, 314.657

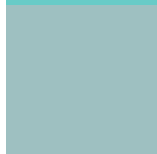


Tritanopia
76, 28.160, 215.553

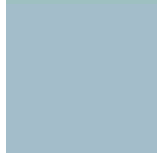
Trichromacy



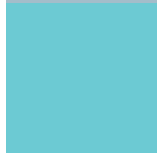
Original Color
76, 30.756, 193.101



Protanomaly
75, 11.932, 201.132



Deuteranomaly
75, 11.245, 237.657

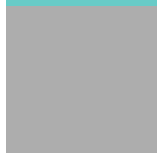


Tritanomaly
76, 28.634, 207.252

Monochromacy



Original Color
76, 30.756, 193.101



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 12.754, 195.960

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 30.756, 193.101 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(104, 203, 199)` looks like.

```
.text, #text, p{  
    color:rgb(104, 203, 199)  
}
```

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(104, 203, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 203, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 30.756, 193.101 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(104, 203, 199) }
```

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

```
.border{ border-color:rgb(104, 203, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 203, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 203, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 203, 199);  
box-shadow:4px 4px 4px 4px rgb(104, 203,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 30.756, 193.101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 203, 199) }
```

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

```
.background{ background-color: rgb(104,  
203, 199) }
```

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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