

Converting Colors

CIELCh(76, 31.773, 188.211)

Have a look what the booklet for
CIELCh(76, 31.773, 188.211)
contains.

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Color

CIELCh(76, 31.777, 188.229)

Conversions

Conversions Part 1

Format	Color
Hex	68CCC3
RGB	104, 204, 195
RGB Percent	41%, 80%, 76%
CMY	0.5934, 0.2012, 0.2365
CMYK	0.49, 0.00, 0.04, 0.20
HSL	175°, 49%, 60%
HSV	175°, 49%, 80%
XYZ	37.0059, 49.8872, 59.1265
YIQ	173.0740, -56.7110, -23.9990

Conversions

Conversions Part 2

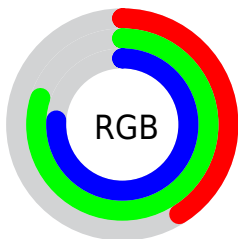
Format	Color
RYB	104, 156, 204
Decimal	6868163
CIELab	76.00, -31.45, -4.55
CIElCh	76, 31.777, 188.229
Yxy	49.8872, 0.2534, 0.3416
Android (android.graphics.Color)	4285058243 (0xFF68CCC3)
YUV	173.0740, 10.8095, -60.5779
Hunter-Lab	70.6309, -30.0820, -0.1912

Details

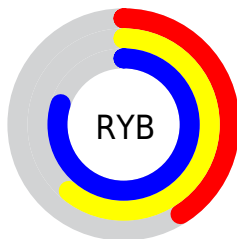
The CIELCh color **76, 31.777, 188.229** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 42.583, 18.333**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.252, 193.531**, and **56, 31.671, 188.101** is the 20% darker color. If you saturate the color by 10%, you get **75, 36.341, 187.409**, and if you desaturate by 10%, it is **77, 26.418, 189.019**.

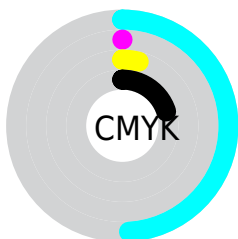
Distribution



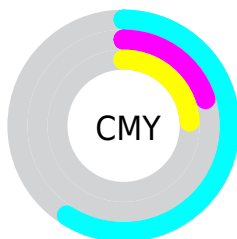
- Red (41%)
- Green (80%)
- Blue (76%)



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



- Cyan (49%)
- Magenta (0%)
- Yellow (4%)
- Black (20%)





- Cyan (59%)
- Magenta (20%)
- Yellow (24%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 31.777, 188.229 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, 31.777, 188.229 by changing the saturation by 10% instead.


 76, 31.777,
188.229


 76, 31.777,
188.229


 100, 31.777,
188.229


 66, 31.777,
188.229


 96, 31.777,
188.229

 56, 31.777,
188.229

 46, 31.777,
188.229

 36, 31.777,
188.229

 26, 31.777,
188.229

 16, 31.777,
188.229

 6, 31.777, 188.229

0, 31.777, 188.229

76, 31.777,
188.229

76, 31.777,
188.229

75, 36.341,
187.409

77, 26.418,
189.019

75, 40.032,
186.552

78, 20.371,
189.797

74, 42.816,
185.638

79, 13.758,
190.570

74, 44.718,
184.651

81, 6.702, 191.366

74, 45.894,
183.588

82, 0.679, 11.230

84, 8.284, 12.710

74, 45.989,
183.492

86, 16.024, 13.478

■ 86, 19.402, 12.200

■ 87, 19.504, 9.423

Harmonies

Complementary

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



76, 31.777, 188.229



56, 42.583, 18.333

Rectangle

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



76, 31.777, 188.229



76, 31.777, 238.229



76, 31.777, 8.229



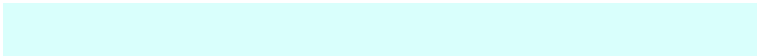
76, 31.777, 58.229

Sweetspot

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



76, 31.777, 188.227



97, 13.090, 190.875



75, 62.295, 138.365



52, 8.886, 190.708



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, 31.777, 188.227



92, 43.375, 187.353



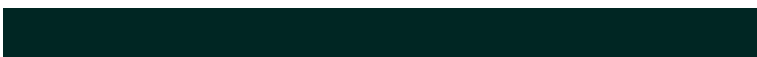
65, 27.789, 252.240



42, 4.182, 191.341



61, 39.400, 183.664



13, 14.383, 186.120

Inverse Universe

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



56, 42.583, 18.333



64, 62.419, 20.986



65, 35.258, 59.134



40, 4.393, 12.662



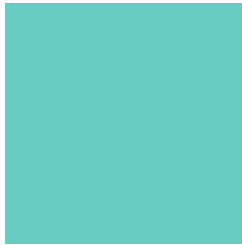
34, 71.949, 35.983



4, 17.983, 14.980

Previews

White Background



This preview shows how the CIELCh color 76, 31.777, 188.229 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, 31.777, 188.229 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

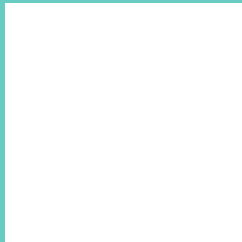
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 31.777, 188.229

Background



This preview shows how black text looks on a background with the CIELCh color 76, 31.777, 188.229.

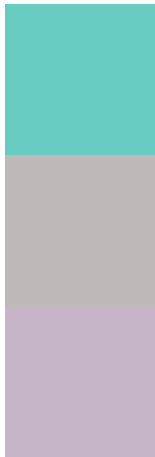


This preview shows how white text looks on a background with the CIELCh color 76, 31.777, 188.229.

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, 31.777, 188.229

Protanopia

76, 1.936, 35.395

Deuteranopia

76, 12.031, 322.002



Tritanopia
76, 27.794, 217.036

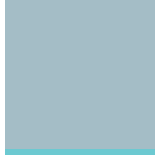
Trichromacy



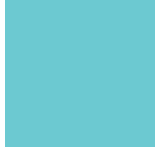
Original Color
76, 31.777, 188.229



Protanomaly
75, 11.987, 188.094



Deuteranomaly
75, 9.889, 228.393

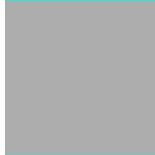


Tritanomaly
76, 28.414, 206.221

Monochromacy



Original Color
76, 31.777, 188.229



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 12.937, 191.113

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 31.777, 188.229 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, 204, 195)` looks like.

```
.text, #text, p{  
    color:rgb(104, 204, 195)  
}
```

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, 204, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 204, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 31.777, 188.229 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, 204, 195) }
```

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

```
.border{ border-color:rgb(104, 204, 195) }
```

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

Here you see how a box with a 4 pixel rgb(104, 204, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 204, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 204, 195);  
box-shadow:4px 4px 4px 4px rgb(104, 204,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 31.777, 188.229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 204, 195) }
```

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

```
.background{ background-color: rgb(104,  
204, 195) }
```

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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