

Converting Colors

CIELCh(76, 31.377, 195.278)

Have a look what the booklet for
CIELCh(76, 31.377, 195.278)
contains.

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Color

CIELCh(76, 31.273, 196.138)

Conversions

Conversions Part 1

Format	Color
Hex	64BCBA
RGB	100, 203, 202
RGB Percent	39%, 80%, 79%
CMY	0.6064, 0.2025, 0.2065
CMYK	0.51, 0.00, 0.00, 0.20
HSL	179°, 50%, 60%
HSV	179°, 51%, 80%
XYZ	37.4360, 49.8872, 63.7470
YIQ	172.0890, -61.0670, -22.1470

Conversions

Conversions Part 2

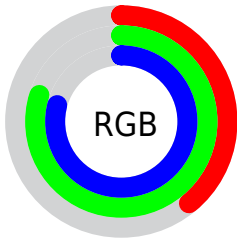
Format	Color
RYB	100, 152, 203
Decimal	6605770
CIELab	76.00, -30.04, -8.69
CIELCh	76, 31.273, 196.138
Yxy	49.8872, 0.2478, 0.3302
Android (android.graphics.Color)	4284795850 (0xFF64CBCA)
YUV	172.0890, 14.7461, -63.2221
Hunter-Lab	70.6309, -28.9950, -4.0698

Details

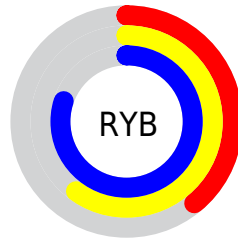
The CIELCh color **76, 31.273, 196.138** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 44.945, 24.549**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.902, 197.576**, and **56, 31.076, 196.587** is the 20% darker color. If you saturate the color by 10%, you get **75, 35.294, 195.790**, and if you desaturate by 10%, it is **77, 26.402, 196.536**.

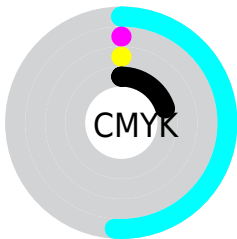
Distribution



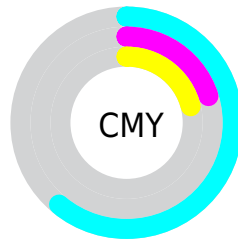
- Red (39%)
- Green (80%)
- Blue (79%)



- Red (39%)
- Yellow (60%)
- Blue (80%)



- Cyan (51%)
- Magenta (0%)
- Yellow (0%)
- Black (20%)





- Cyan (61%)
- Magenta (20%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 31.273, 196.138 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, 31.273, 196.138 by changing the saturation by 10% instead.


 76, 31.273,
196.138


 76, 31.273,
196.138


 100, 31.273,
196.138


 66, 31.273,
196.138


 96, 31.273,
196.138

 56, 31.273,
196.138

 46, 31.273,
196.138

 36, 31.273,
196.138

 26, 31.273,
196.138

 16, 31.273,
196.138

 6, 31.273, 196.138

■ 0, 31.273, 196.138

■ 76, 31.273,
196.138

■ 76, 31.273,
196.138

■ 75, 35.294,
195.790

■ 77, 26.402,
196.536

■ 75, 38.407,
195.496

■ 78, 20.772,
196.989

■ 75, 40.601,
195.252

■ 79, 14.494,
197.493

■ 74, 41.926,
195.051

■ 80, 7.689, 198.060

■ 74, 42.562,
194.889

■ 82, 0.472, 199.736

■ 83, 7.048, 19.070

■ 85, 14.779, 19.725

■ 86, 19.513, 19.993

■ 86, 19.507, 19.691

Harmonies

Complementary

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



76, 31.273, 196.138



55, 44.945, 24.549

Rectangle

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



76, 31.273, 196.138



76, 31.273, 246.138



76, 31.273, 16.138



76, 31.273, 66.138

Sweetspot

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



76, 31.273, 196.136



97, 12.866, 197.792



74, 65.533, 139.973



52, 8.724, 197.672



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, 31.273, 196.136



92, 42.344, 195.753



62, 31.218, 263.165



42, 4.122, 198.139



62, 36.559, 194.911



13, 13.589, 195.213

Inverse Universe

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



55, 44.945, 24.549



63, 66.698, 27.287



66, 36.760, 67.428



40, 4.368, 19.134



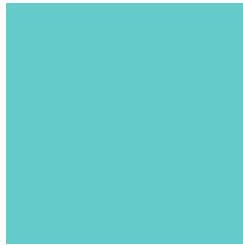
34, 75.151, 39.429



4, 17.913, 18.923

Previews

White Background



This preview shows how the CIELCh color 76, 31.273, 196.138 looks on a white background.

Color Contrast Check

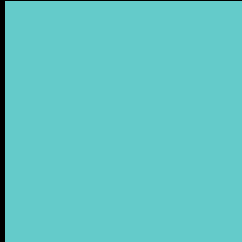
Large Text (above 18pt) WCAG AA × Fail

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, 31.273, 196.138 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

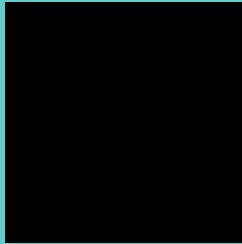
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

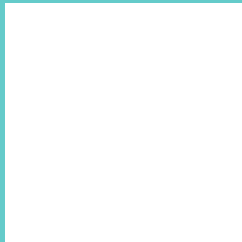
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 31.273, 196.138

Background



This preview shows how black text looks on a background with the CIELCh color 76, 31.273, 196.138.

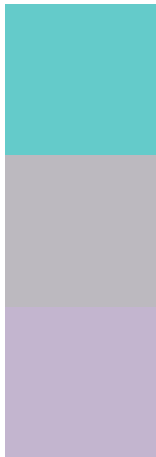


This preview shows how white text looks on a background with the CIELCh color 76, 31.273, 196.138.

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, 31.273, 196.138

Protanopia
76, 3.438, 309.171

Deuteranopia
76, 14.971, 310.942



Tritanopia
76, 29.010, 214.956

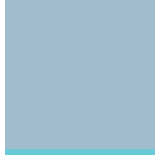
Trichromacy



Original Color
76, 31.273, 196.138



Protanomaly
75, 12.593, 205.918



Deuteranomaly
75, 12.701, 241.926

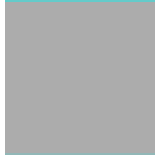


Tritanomaly
76, 29.504, 207.989

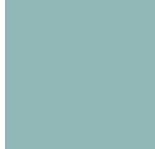
Monochromacy



Original Color
76, 31.273, 196.138



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 13.035, 198.396

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 31.273, 196.138 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(100, 203, 202)` looks like.

```
.text, #text, p{  
    color:rgb(100, 203, 202)  
}
```

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(100, 203, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 203, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 31.273, 196.138 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(100, 203, 202) }
```

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

```
.border{ border-color:rgb(100, 203, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 203, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 203, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 203, 202);  
box-shadow:4px 4px 4px 4px rgb(100, 203,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 31.273, 196.138 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 203, 202) }
```

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

```
.background{ background-color: rgb(100,  
203, 202) }
```

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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