

Converting Colors

CIELCh(76, 29.994, 198.453)

Have a look what the booklet for
CIELCh(76, 29.994, 198.453)
contains.

CIELCh(76, 30.182, 198.258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIElCh(76, 30.182, 198.258)

Conversions

Conversions Part 1

Format	Color
Hex	68CBCC
RGB	104, 203, 204
RGB Percent	41%, 80%, 80%
CMY	0.5930, 0.2048, 0.2008
CMYK	0.49, 0.00, 0.00, 0.20
HSL	181°, 49%, 60%
HSV	181°, 49%, 80%
XYZ	37.8599, 49.8872, 64.6237
YIQ	173.5130, -59.3250, -20.6770

Conversions

Conversions Part 2

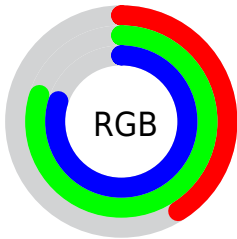
Format	Color
RYB	104, 154, 204
Decimal	6867916
CIELab	76.00, -28.66, -9.46
CIELCh	76, 30.182, 198.258
Yxy	49.8872, 0.2485, 0.3274
Android (android.graphics.Color)	4285057996 (0xFF68CBCC)
YUV	173.5130, 15.0301, -60.9629
Hunter-Lab	70.6309, -27.9237, -4.8057

Details

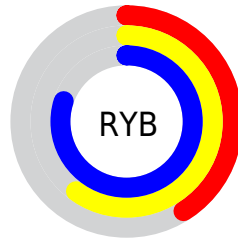
The CIELCh color **76, 30.182, 198.258** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **56, 43.241, 25.542**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **56, 30.075, 198.902** is the 20% darker color. If you saturate the color by 10%, you get **75, 34.253, 198.035**, and if you desaturate by 10%, it is **77, 25.271, 198.552**.

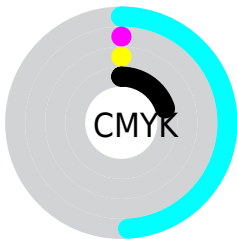
Distribution



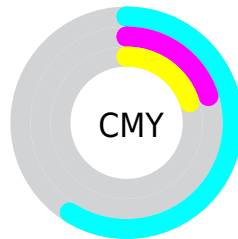
- Red (41%)
- Green (80%)
- Blue (80%)



- Red (41%)
- Yellow (60%)
- Blue (80%)



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





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 30.182, 198.258 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, 30.182, 198.258 by changing the saturation by 10% instead.


 76, 30.182,
198.258


 76, 30.182,
198.258


 100, 30.182,
198.258


 66, 30.182,
198.258


 96, 30.182,
198.258

 56, 30.182,
198.258

 46, 30.182,
198.258

 36, 30.182,
198.258

 26, 30.182,
198.258

 16, 30.182,
198.258

 6, 30.182, 198.258

0, 30.182, 198.258

76, 30.182,
198.258

76, 30.182,
198.258

75, 34.253,
198.035

77, 25.271,
198.552

75, 37.421,
197.895

78, 19.615,
198.919

74, 39.667,
197.836

79, 13.326,
199.353

74, 41.031,
197.857

81, 6.522, 199.868

74, 41.674,
197.945

82, 0.682, 19.474

74, 41.721,
197.954

84, 8.182, 20.773

86, 15.887, 21.378

■ 86, 19.128, 21.809

■ 87, 19.056, 22.121

Harmonies

Complementary

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



76, 30.182, 198.258



56, 43.241, 25.542

Rectangle

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



76, 30.182, 198.258



76, 30.182, 248.258



76, 30.182, 18.258



76, 30.182, 68.258

Sweetspot

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



76, 30.182, 198.256



97, 12.719, 199.541



74, 64.091, 140.467



52, 8.623, 199.436



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, 30.182, 198.256



92, 40.855, 198.023



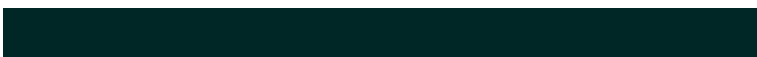
62, 30.979, 264.624



42, 4.077, 199.850



61, 35.791, 197.931



13, 13.362, 197.608

Inverse Universe

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



59, 63.353, 327.282



68, 88.652, 327.732



67, 35.712, 69.288



40, 7.487, 325.201



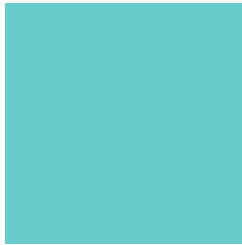
39, 83.065, 328.629



5, 28.812, 327.816

Previews

White Background



This preview shows how the CIELCh color 76, 30.182, 198.258 looks on a white background.

Color Contrast Check

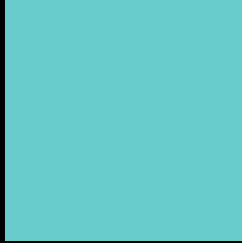
Large Text (above 18pt) WCAG AA × Fail

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, 30.182, 198.258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

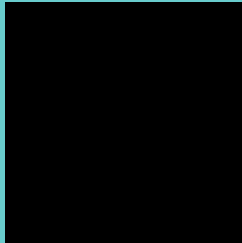
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

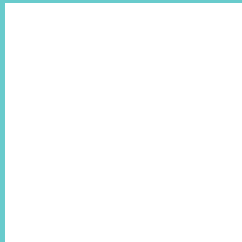
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 30.182, 198.258

Background



This preview shows how black text looks on a background with the CIELCh color 76, 30.182, 198.258.

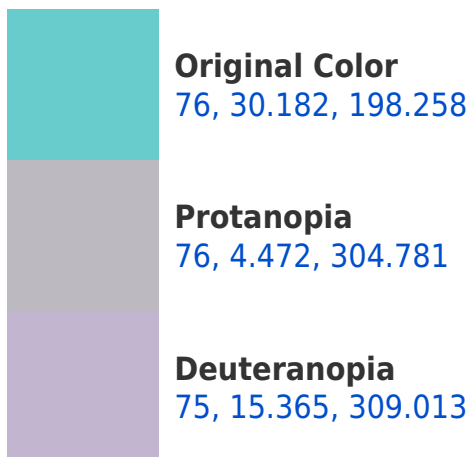


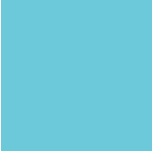
This preview shows how white text looks on a background with the CIELCh color 76, 30.182, 198.258.

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





Tritanopia
76, 28.589, 215.248

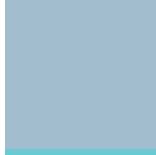
Trichromacy



Original Color
76, 30.182, 198.258



Protanomaly
75, 12.143, 214.121



Deuteranomaly
75, 13.042, 243.825

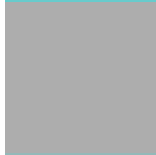


Tritanomaly
76, 29.070, 208.177

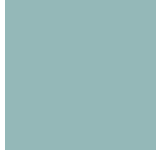
Monochromacy



Original Color
76, 30.182, 198.258



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 12.696, 198.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 30.182, 198.258 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(104, 203, 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(104, 203, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 203, 204) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 30.182, 198.258 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, 204) }
```

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

```
.border{ border-color:rgb(104, 203, 204) }
```

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, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 203, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 203, 204);  
box-shadow:4px 4px 4px 4px rgb(104, 203,  
204) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 30.182, 198.258 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, 204) }
```

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

```
.background{ background-color: rgb(104,  
203, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor