

Converting Colors

CIELCh(76, 24.524, 197.590)

Have a look what the booklet for
CIELCh(76, 24.524, 197.590)
contains.

CIELCh(76, 24.590, 197.599)	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, 24.590, 197.599)

Conversions

Conversions Part 1

Format	Color
Hex	7CC8C8
RGB	124, 200, 200
RGB Percent	49%, 78%, 78%
CMY	0.5129, 0.2148, 0.2149
CMYK	0.38, 0.00, 0.00, 0.21
HSL	180°, 41%, 64%
HSV	180°, 38%, 79%
XYZ	39.4956, 49.8872, 62.3204
YIQ	177.2760, -45.2960, -16.1120

Conversions

Conversions Part 2

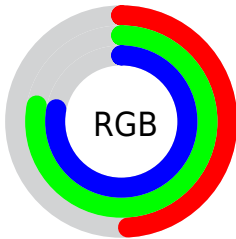
Format	Color
RYB	124, 162, 200
Decimal	8177864
CIELab	76.00, -23.44, -7.43
CIELCh	76, 24.590, 197.599
Yxy	49.8872, 0.2603, 0.3288
Android (android.graphics.Color)	4286367944 (0xFF7CC8C8)
YUV	177.2760, 11.2029, -46.7231
Hunter-Lab	70.6309, -23.7900, -2.8723

Details

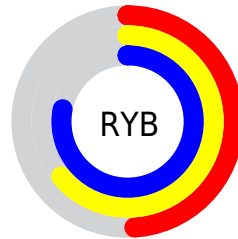
The CIELCh color **76, 24.590, 197.599** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 32.084, 22.969**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 23.987, 197.938**, and **56, 24.664, 197.128** is the 20% darker color. If you saturate the color by 10%, you get **75, 29.581, 197.236**, and if you desaturate by 10%, it is **77, 18.873, 198.018**.

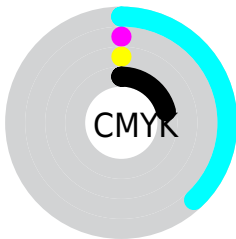
Distribution



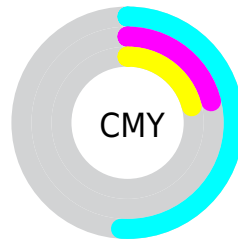
- Red (49%)
- Green (78%)
- Blue (78%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)




- Cyan (51%)
- Magenta (21%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 24.590, 197.599 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, 24.590, 197.599 by changing the saturation by 10% instead.

 76, 24.590,
197.599

 76, 24.590,
197.599

 100, 24.590,
197.599


 66, 24.590,
197.599


 96, 24.590,
197.599

 56, 24.590,
197.599

 46, 24.590,
197.599

 36, 24.590,
197.599

 26, 24.590,
197.599

 16, 24.590,
197.599

 6, 24.590, 197.599

0, 24.590, 197.599

76, 24.590,
197.599

76, 24.590,
197.599

75, 29.581,
197.236

77, 18.873,
198.018

74, 33.749,
196.939

78, 12.542,
198.500

74, 37.032,
196.709

80, 5.714, 199.065

81, 1.498, 19.148

74, 39.405,
196.544

83, 8.991, 20.034

73, 40.903,
196.440

84, 16.676, 20.662

73, 41.653,
196.388

85, 20.820, 20.994

■ 73, 41.770,
196.380

■ 85, 20.820, 20.992

■ 85, 20.820, 20.991

Harmonies

Complementary

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



76, 24.590, 197.599



60, 32.084, 22.969

Rectangle

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



76, 24.590, 197.599



76, 24.590, 247.599



76, 24.590, 17.599



76, 24.590, 67.599

Sweetspot

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



76, 24.590, 197.596



98, 9.531, 198.869



74, 49.330, 141.251



52, 6.380, 198.791



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, 24.590, 197.596



94, 34.764, 197.279



66, 23.423, 259.919



41, 4.034, 198.975



61, 35.890, 196.380



12, 12.984, 196.382

Inverse Universe

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



60, 32.084, 22.969



70, 48.657, 24.437



69, 26.381, 68.987



39, 4.279, 19.919



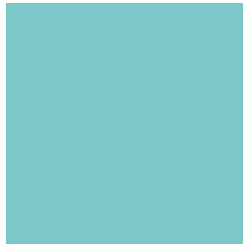
34, 74.643, 39.775



3, 15.885, 19.403

Previews

White Background



This preview shows how the CIELCh color 76, 24.590, 197.599 looks on a white background.

Color Contrast Check

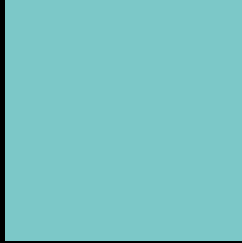
Large Text (above 18pt) WCAG AA × Fail

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, 24.590, 197.599 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, 24.590, 197.599

Background



This preview shows how black text looks on a background with the CIELCh color 76, 24.590, 197.599.

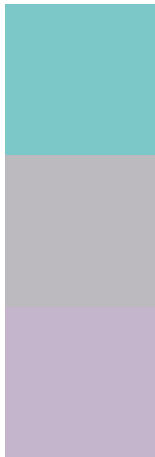


This preview shows how white text looks on a background with the CIELCh color 76, 24.590, 197.599.

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

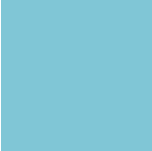
76, 24.590, 197.599

Protanopia

76, 3.438, 309.171

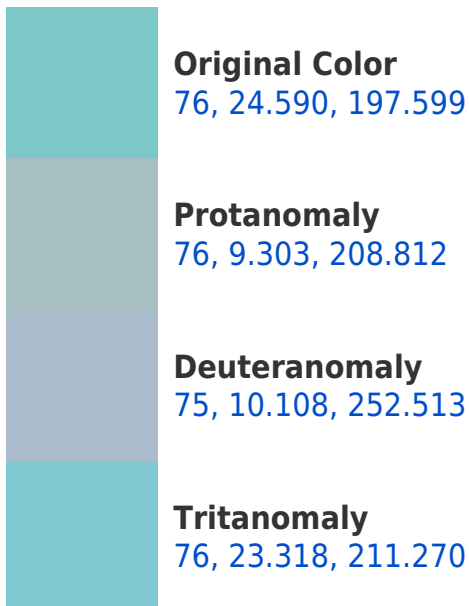
Deuteranopia

76, 13.605, 314.657

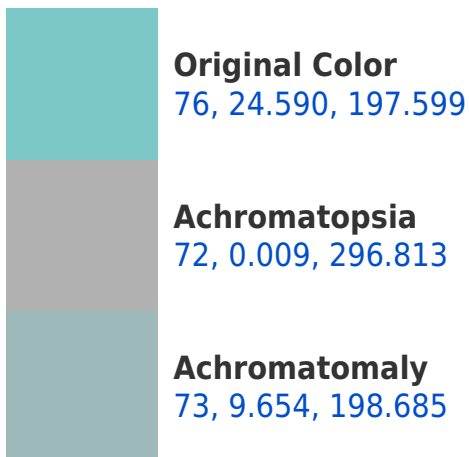


Tritanopia
76, 23.302, 219.817

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 24.590, 197.599 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(124, 200, 200)` looks like.

```
.text, #text, p{  
    color:rgb(124, 200, 200)  
}
```

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(124, 200, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 200, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 24.590, 197.599 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(124, 200, 200) }
```

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

```
.border{ border-color:rgb(124, 200, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 200, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 200, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 200, 200);  
box-shadow:4px 4px 4px 4px rgb(124, 200,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 24.590, 197.599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 200, 200) }
```

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

```
.background{ background-color: rgb(124,  
200, 200) }
```

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