

Converting Colors

CIELCh(76, 33.899, 184.936)

Have a look what the booklet for
CIELCh(76, 33.899, 184.936)
contains.

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Color

CIELCh(76, 33.893, 184.914)

Conversions

Conversions Part 1

Format	Color
Hex	63CDC0
RGB	99, 205, 192
RGB Percent	39%, 80%, 75%
CMY	0.6134, 0.1976, 0.2486
CMYK	0.52, 0.00, 0.06, 0.20
HSL	173°, 51%, 59%
HSV	173°, 52%, 80%
XYZ	36.3053, 49.8872, 57.3563
YIQ	171.8240, -59.0030, -26.5150

Conversions

Conversions Part 2

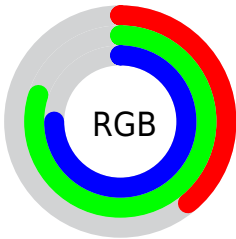
Format	Color
RYB	99, 155, 205
Decimal	6540736
CIELab	76.00, -33.77, -2.90
CIElCh	76, 33.893, 184.914
Yxy	49.8872, 0.2529, 0.3475
Android (android.graphics.Color)	4284730816 (0xFF63CDC0)
YUV	171.8240, 9.9468, -63.8666
Hunter-Lab	70.6309, -31.8525, 1.2948

Details

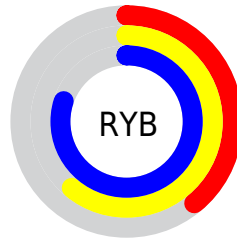
The CIELCh color **76, 33.893, 184.914** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **55, 45.075, 16.496**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.920, 190.740**, and **56, 33.689, 185.456** is the 20% darker color. If you saturate the color by 10%, you get **75, 38.445, 183.930**, and if you desaturate by 10%, it is **77, 28.538, 185.838**.

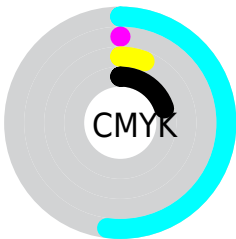
Distribution



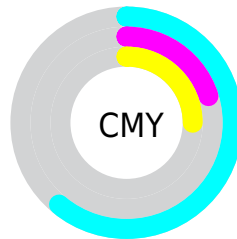
- Red (39%)
- Green (80%)
- Blue (75%)



- Red (39%)
- Yellow (61%)
- Blue (80%)



- Cyan (52%)
- Magenta (0%)
- Yellow (6%)
- Black (20%)





- Cyan (61%)
- Magenta (20%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 33.893, 184.914 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, 33.893, 184.914 by changing the saturation by 10% instead.


 76, 33.893,
184.914


 76, 33.893,
184.914


 100, 33.893,
184.914


 66, 33.893,
184.914


 96, 33.893,
184.914

 56, 33.893,
184.914

 46, 33.893,
184.914

 36, 33.893,
184.914

 26, 33.893,
184.914

 16, 33.893,
184.914

 6, 33.893, 184.914

0, 33.893, 184.914

76, 33.893,
184.914

76, 33.893,
184.914

75, 38.445,
183.930

77, 28.538,
185.838

75, 42.121,
182.874

78, 22.484,
186.724

74, 44.896,
181.722

79, 15.856,
187.583

74, 46.811,
180.458

80, 8.778, 188.435

74, 47.903,
179.357

82, 1.370, 189.573

84, 6.260, 9.883

85, 14.023, 10.705

■ 87, 19.119, 9.834

■ 87, 19.327, 6.018

Harmonies

Complementary

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



76, 33.893, 184.914



55, 45.075, 16.496

Rectangle

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



76, 33.893, 184.914



76, 33.893, 234.914



76, 33.893, 4.914



76, 33.893, 54.914

Sweetspot

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



76, 33.893, 184.912



97, 14.085, 188.060



75, 65.068, 137.381



51, 9.465, 187.883



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, 33.893, 184.912



92, 45.857, 183.830



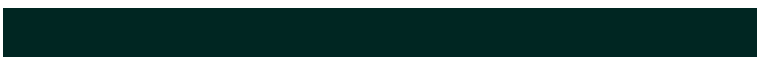
65, 28.410, 248.320



42, 4.222, 188.648



61, 40.875, 179.579



13, 14.785, 182.724

Inverse Universe

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



55, 45.075, 16.496



63, 65.135, 19.445



63, 37.807, 55.551



40, 4.419, 10.066



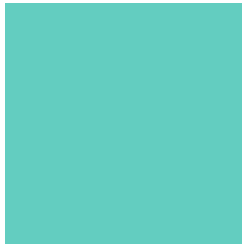
34, 70.518, 34.209



4, 18.035, 13.389

Previews

White Background



This preview shows how the CIELCh color 76, 33.893, 184.914 looks on a white background.

Color Contrast Check

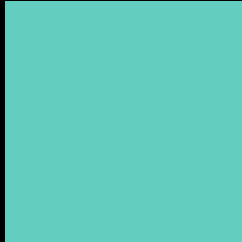
Large Text (above 18pt) WCAG AA × Fail

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, 33.893, 184.914 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

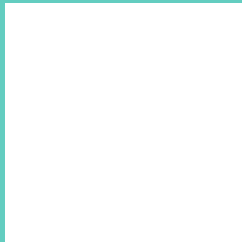
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 33.893, 184.914

Background



This preview shows how black text looks on a background with the CIELCh color 76, 33.893, 184.914.

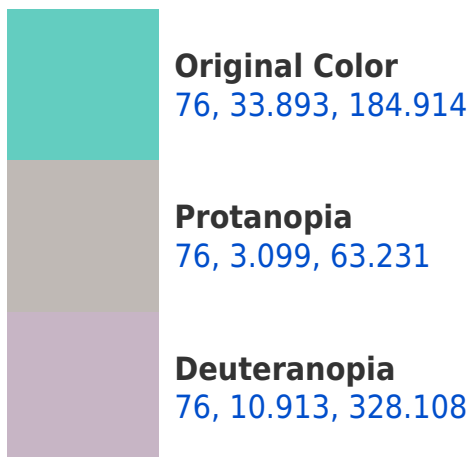


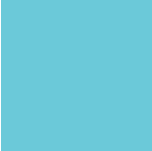
This preview shows how white text looks on a background with the CIELCh color 76, 33.893, 184.914.

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, 28.800, 215.100

Trichromacy



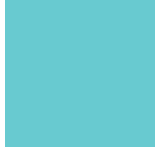
Original Color
76, 33.893, 184.914



Protanomaly
75, 13.141, 181.645



Deuteranomaly
75, 10.133, 214.233

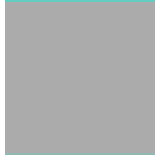


Tritanomaly
76, 29.606, 203.637

Monochromacy



Original Color
76, 33.893, 184.914



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 13.873, 186.932

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 33.893, 184.914 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(99, 205, 192)` looks like.

```
.text, #text, p{  
    color:rgb(99, 205, 192)  
}
```

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(99, 205, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 205, 192) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 33.893, 184.914 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(99, 205, 192) }
```

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

```
.border{ border-color:rgb(99, 205, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 205, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 205, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 205, 192);  
box-shadow:4px 4px 4px 4px rgb(99, 205,  
192) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 33.893, 184.914 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 205, 192) }
```

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

```
.background{ background-color: rgb(99, 205,  
192) }
```

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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