

Converting Colors

CIELCh(75, 34.904, 196.819)

Have a look what the booklet for
CIELCh(75, 34.904, 196.819)
contains.

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Color

CIELCh(75, 34.874, 196.881)

Conversions

Conversions Part 1

Format	Color
Hex	50CACA
RGB	80, 202, 202
RGB Percent	31%, 79%, 79%
CMY	0.6857, 0.2074, 0.2074
CMYK	0.60, 0.00, 0.00, 0.21
HSL	180°, 54%, 55%
HSV	180°, 60%, 79%
XYZ	35.1431, 48.2781, 63.4165
YIQ	165.5220, -72.7120, -25.8640

Conversions

Conversions Part 2

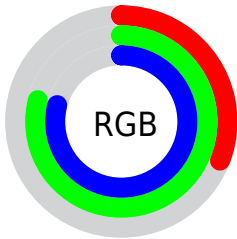
Format	Color
R _Y B	80, 141, 202
Decimal	5294794
CIE Lab	75.00, -33.37, -10.13
CIE LCh	75, 34.874, 196.881
Yxy	48.2781, 0.2393, 0.3288
Android (android.graphics.Color)	4283484874 (0xFF50CACA)
YUV	165.5220, 17.9837, -75.0028
Hunter-Lab	69.4824, -31.3118, -5.4762

Details

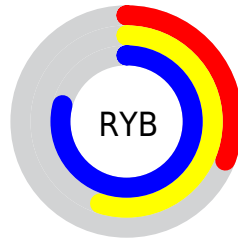
The CIELCh color **75, 34.874, 196.881** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **51, 54.727, 27.548**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **94, 33.784, 197.342**, and **55, 33.087, 197.416** is the 20% darker color. If you saturate the color by 10%, you get **75, 37.959, 196.665**, and if you desaturate by 10%, it is **76, 30.884, 197.160**.

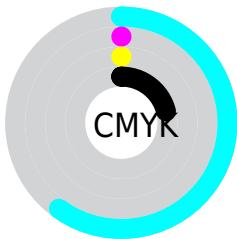
Distribution



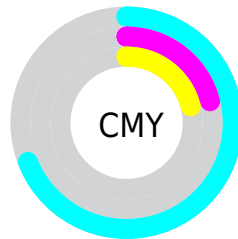
- Red (31%)
- Green (79%)
- Blue (79%)



- Red (31%)
- Yellow (55%)
- Blue (79%)



- Cyan (60%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (69%)
- Magenta (21%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 34.874, 196.881 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 75, 34.874, 196.881 by changing the saturation by 10% instead.


 75, 34.874,
196.881


 75, 34.874,
196.881


 100, 34.874,
196.881


 65, 34.874,
196.881


 95, 34.874,
196.881

 55, 34.874,
196.881

 45, 34.874,
196.881

 35, 34.874,
196.881

 25, 34.874,
196.881

 15, 34.874,
196.881

 5, 34.874, 196.881

0, 34.874, 196.881

75, 34.874,
196.881

75, 34.874,
196.881

75, 37.959,
196.665

76, 30.884,
197.160

74, 40.131,
196.516

76, 26.047,
197.505

74, 41.438,
196.426

77, 20.453,
197.913

74, 42.067,
196.383

79, 14.211,
198.380

80, 7.439, 198.918

81, 0.254, 201.572

83, 7.238, 19.880

■ 85, 14.944, 20.515

■ 86, 20.037, 20.921

Harmonies

Complementary

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



75, 34.874, 196.881



51, 54.727, 27.548

Rectangle

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



75, 34.874, 196.881



75, 34.874, 246.881



75, 34.874, 16.881



75, 34.874, 66.881

Sweetspot

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



75, 34.874, 196.879



97, 15.282, 198.487



73, 75.965, 138.925



51, 10.520, 198.338



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



75, 34.874, 196.879



92, 46.009, 196.620



58, 36.614, 266.150



42, 4.119, 198.975



62, 36.302, 196.383



13, 13.514, 196.384

Inverse Universe

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



51, 54.727, 27.548



58, 80.235, 31.402



63, 44.514, 66.219



40, 4.369, 19.923



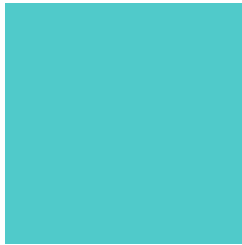
34, 75.553, 39.822



4, 17.910, 19.404

Previews

White Background



This preview shows how the CIELCh color 75, 34.874, 196.881 looks on a white background.

Color Contrast Check

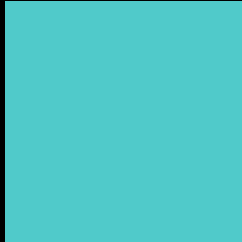
Large Text (above 18pt) WCAG AA × Fail

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 75, 34.874, 196.881 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

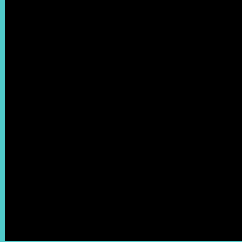
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

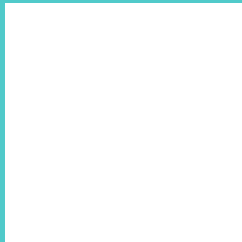
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 34.874, 196.881

Background



This preview shows how black text looks on a background with the CIELCh color 75, 34.874, 196.881.

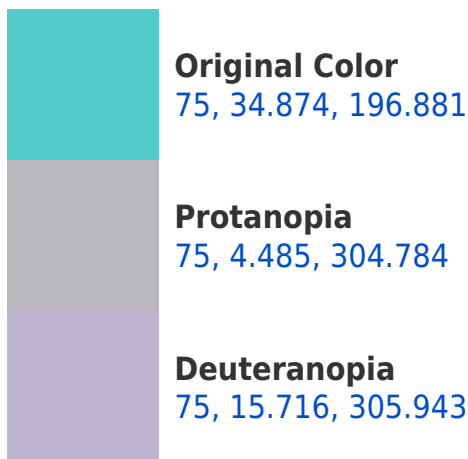


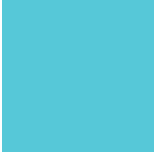
This preview shows how white text looks on a background with the CIELCh color 75, 34.874, 196.881.

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
75, 32.628, 212.750

Trichromacy



Original Color
75, 34.874, 196.881



Protanomaly
74, 14.596, 209.106



Deuteranomaly
74, 15.515, 237.827

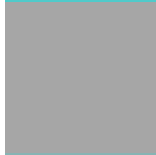


Tritanomaly
75, 33.201, 206.555

Monochromacy



Original Color
75, 34.874, 196.881



Achromatopsia
68, 0.008, 296.813



Achromatomaly
70, 15.343, 198.187

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 34.874, 196.881 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(80, 202, 202)` looks like.

```
.text, #text, p{  
    color:rgb(80, 202, 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(80, 202, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 202, 202) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 34.874, 196.881 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(80, 202, 202) }
```

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

```
.border{ border-color:rgb(80, 202, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 202, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 202, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 202, 202);  
box-shadow:4px 4px 4px 4px rgb(80, 202,  
202) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 34.874, 196.881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 202, 202) }
```

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

```
.background{ background-color: rgb(80, 202,  
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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