

Converting Colors

CIELCh(75, 33.635, 174.110)

Have a look what the booklet for
CIELCh(75, 33.635, 174.110)
contains.

CIELCh(75, 33.626, 174.137)	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(75, 33.626, 174.137)

Conversions

Conversions Part 1

Format	Color
Hex	6CC9B1
RGB	108, 201, 177
RGB Percent	42%, 79%, 69%
CMY	0.5755, 0.2108, 0.3049
CMYK	0.46, 0.00, 0.12, 0.21
HSL	165°, 46%, 61%
HSV	165°, 46%, 79%
XYZ	35.1200, 48.2781, 49.1892
YIQ	170.4570, -47.7240, -27.1800

Conversions

Conversions Part 2

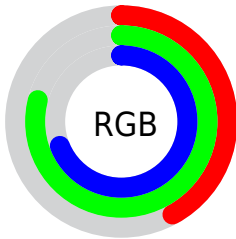
Format	Color
RYB	108, 161, 201
Decimal	7129521
CIELab	75.00, -33.45, 3.43
CIELCh	75, 33.626, 174.137
Yxy	48.2781, 0.2649, 0.3641
Android (android.graphics.Color)	4285319601 (0xFF6CC9B1)
YUV	170.4570, 3.2257, -54.7748
Hunter-Lab	69.4824, -31.3713, 6.6641

Details

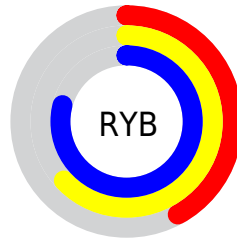
The CIELCh color **75, 33.626, 174.137** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 39.558, 4.987**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 31.974, 176.566**, and **55, 33.561, 174.029** is the 20% darker color. If you saturate the color by 10%, you get **74, 39.530, 172.827**, and if you desaturate by 10%, it is **76, 27.080, 175.327**.

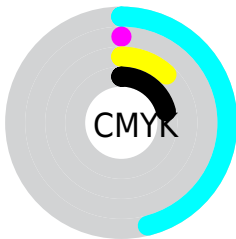
Distribution



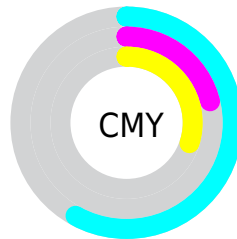
- Red (42%)
- Green (79%)
- Blue (69%)



- Red (42%)
- Yellow (63%)
- Blue (79%)



- Cyan (46%)
- Magenta (0%)
- Yellow (12%)
- Black (21%)





- Cyan (58%)
- Magenta (21%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.626, 174.137 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, 33.626, 174.137 by changing the saturation by 10% instead.


 75, 33.626,
174.137


 75, 33.626,
174.137


 100, 33.626,
174.137


 65, 33.626,
174.137


 95, 33.626,
174.137

 55, 33.626,
174.137

 45, 33.626,
174.137

 35, 33.626,
174.137

 25, 33.626,
174.137

 15, 33.626,
174.137

 5, 33.626, 174.137

0, 33.626, 174.137

75, 33.626,
174.137

75, 33.626,
174.137

74, 39.530,
172.827

76, 27.080,
175.327

73, 44.681,
171.378

77, 20.018,
176.425

73, 49.009,
169.764

79, 12.572,
177.452

73, 52.499,
167.965

80, 4.865, 178.462

72, 55.217,
165.979

82, 2.995, 359.090

84, 10.917, 0.058

72, 56.150,
165.221

85, 18.828, 0.887

■ 86, 21.740,
356.296

■ 86, 22.866,
350.019

Harmonies

Complementary

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



75, 33.626, 174.137



57, 39.558, 4.987

Rectangle

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



75, 33.626, 174.137



75, 33.626, 224.137



75, 33.626, 354.137



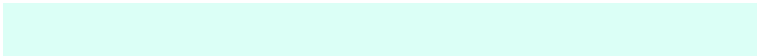
75, 33.626, 44.137

Sweetspot

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



75, 33.627, 174.136



97, 13.190, 177.654



75, 55.433, 134.360



52, 9.082, 177.435



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, 33.627, 174.136



92, 46.950, 172.888



69, 24.466, 227.295



41, 4.389, 178.135



60, 47.820, 165.562



11, 16.083, 170.896

Inverse Universe

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



57, 39.558, 4.987



66, 57.095, 7.087



61, 34.100, 42.714



39, 4.527, 359.749



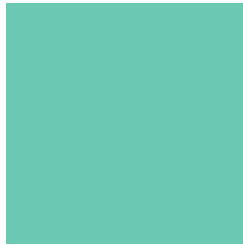
34, 63.948, 24.197



4, 16.363, 6.276

Previews

White Background



This preview shows how the CIELCh color 75, 33.626, 174.137 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, 33.626, 174.137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

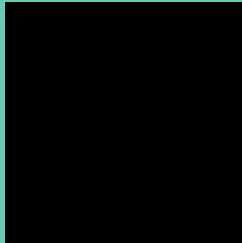
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

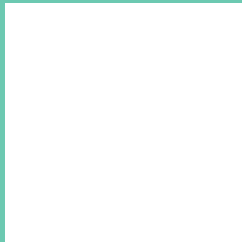
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 33.626, 174.137

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.626, 174.137.

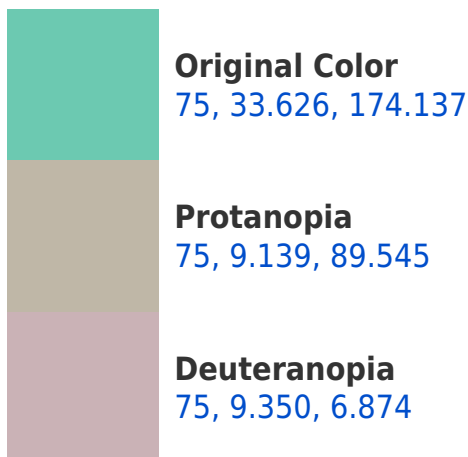


This preview shows how white text looks on a background with the CIELCh color 75, 33.626, 174.137.

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, 25.215, 217.994

Trichromacy



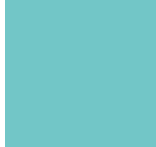
Original Color
75, 33.626, 174.137



Protanomaly
74, 14.963, 155.030



Deuteranomaly
74, 7.409, 172.871

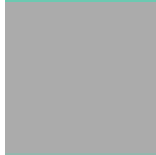


Tritanomaly
75, 26.589, 198.621

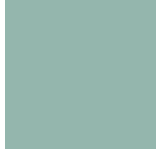
Monochromacy



Original Color
75, 33.626, 174.137



Achromatopsia
70, 0.009, 296.813



Achromatomaly
71, 13.361, 176.741

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.626, 174.137 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(108, 201, 177)` looks like.

```
.text, #text, p{  
    color:rgb(108, 201, 177)  
}
```

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(108, 201, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 201, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.626, 174.137 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(108, 201, 177) }
```

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

```
.border{ border-color:rgb(108, 201, 177) }
```

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

Here you see how a box with a 4 pixel rgb(108, 201, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 201, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 201, 177);  
box-shadow:4px 4px 4px 4px rgb(108, 201,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.626, 174.137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 201, 177) }
```

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

```
.background{ background-color: rgb(108,  
201, 177) }
```

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