

Converting Colors

CIELCh(75, 31.213, 172.257)

Have a look what the booklet for
CIELCh(75, 31.213, 172.257)
contains.

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Color

CIELCh(75, 31.186, 172.439)

Conversions

Conversions Part 1

Format	Color
Hex	75C8B0
RGB	117, 200, 176
RGB Percent	46%, 78%, 69%
CMY	0.5408, 0.2153, 0.3094
CMYK	0.41, 0.00, 0.12, 0.22
HSL	163°, 43%, 62%
HSV	163°, 41%, 78%
XYZ	35.8697, 48.2781, 48.5491
YIQ	172.4470, -41.7640, -25.0600

Conversions

Conversions Part 2

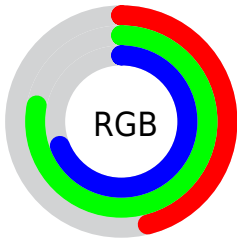
Format	Color
RYB	117, 166, 200
Decimal	7719088
CIELab	75.00, -30.91, 4.10
CIELCh	75, 31.186, 172.439
Yxy	48.2781, 0.2703, 0.3638
Android (android.graphics.Color)	4285909168 (0xFF75C8B0)
YUV	172.4470, 1.7516, -48.6270
Hunter-Lab	69.4824, -29.4452, 7.2104

Details

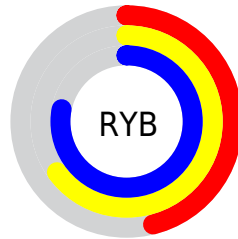
The CIELCh color **75, 31.186, 172.439** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **59, 35.493, 1.821**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.844, 174.105**, and **55, 31.254, 172.549** is the 20% darker color. If you saturate the color by 10%, you get **74, 37.615, 171.150**, and if you desaturate by 10%, it is **76, 24.199, 173.609**.

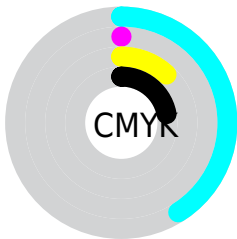
Distribution



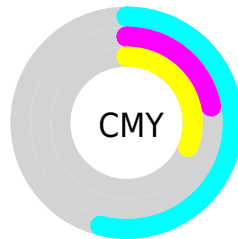
- Red (46%)
- Green (78%)
- Blue (69%)



- Red (46%)
- Yellow (65%)
- Blue (78%)



- Cyan (41%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (54%)
- Magenta (22%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 31.186, 172.439 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, 31.186, 172.439 by changing the saturation by 10% instead.


 75, 31.186,
172.439


 75, 31.186,
172.439


 100, 31.186,
172.439


 65, 31.186,
172.439


 95, 31.186,
172.439

 55, 31.186,
172.439

 45, 31.186,
172.439

 35, 31.186,
172.439

 25, 31.186,
172.439

 15, 31.186,
172.439

 5, 31.186, 172.439

■ 0, 31.186, 172.439

■ 75, 31.186,
172.439

■ 75, 31.186,
172.439

■ 74, 37.615,
171.150

■ 76, 24.199,
173.609

■ 73, 43.360,
169.724

■ 77, 16.784,
174.689

■ 73, 48.327,
168.132

■ 79, 9.070, 175.705

■ 72, 52.468,
166.354

■ 80, 1.174, 176.988

■ 72, 55.802,
164.379

■ 82, 6.806, 357.379

■ 84, 14.789,
358.242

■ 72, 58.167,
162.596

■ 86, 21.967,
358.153

■ 86, 23.144,
351.147

■ 86, 24.650,
344.937

Harmonies

Complementary

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



75, 31.186, 172.439



59, 35.493, 1.821

Rectangle

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



75, 31.186, 172.439



75, 31.186, 222.439



75, 31.186, 352.439



75, 31.186, 42.439

Sweetspot

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



75, 31.187, 172.437



98, 11.535, 175.636



75, 49.240, 133.669



52, 7.642, 175.503



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, 31.187, 172.437



92, 44.587, 171.254



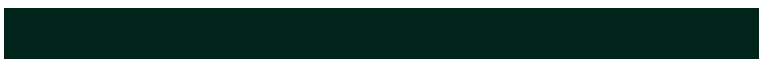
71, 22.530, 221.873



41, 4.465, 175.916



59, 49.732, 162.943



11, 16.570, 168.523

Inverse Universe

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



59, 35.493, 1.821



69, 52.217, 3.595



62, 30.446, 39.480



39, 4.592, 357.539



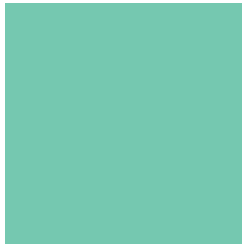
34, 62.923, 21.492



4, 16.476, 4.767

Previews

White Background



This preview shows how the CIELCh color 75, 31.186, 172.439 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, 31.186, 172.439 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

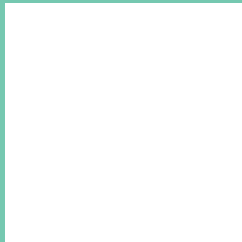
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 31.186, 172.439

Background



This preview shows how black text looks on a background with the CIELCh color 75, 31.186, 172.439.

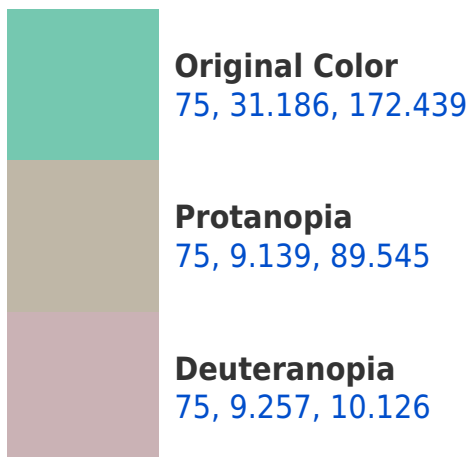


This preview shows how white text looks on a background with the CIELCh color 75, 31.186, 172.439.

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, 23.063, 220.125

Trichromacy



Original Color
75, 31.186, 172.439



Protanomaly
74, 13.949, 151.085



Deuteranomaly
74, 6.753, 164.864

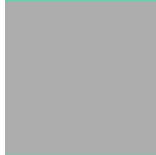


Tritanomaly
75, 23.985, 198.931

Monochromacy



Original Color
75, 31.186, 172.439



Achromatopsia
71, 0.009, 296.813



Achromatomaly
72, 12.067, 174.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 31.186, 172.439 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(117, 200, 176)` looks like.

```
.text, #text, p{  
    color:rgb(117, 200, 176)  
}
```

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(117, 200, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 200, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 31.186, 172.439 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(117, 200, 176) }
```

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

```
.border{ border-color:rgb(117, 200, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 200, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 200, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 200, 176);  
box-shadow:4px 4px 4px 4px rgb(117, 200,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 31.186, 172.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 200, 176) }
```

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

```
.background{ background-color: rgb(117,  
200, 176) }
```

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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