

Converting Colors

CIELCh(75, 29.092, 171.908)

Have a look what the booklet for
CIELCh(75, 29.092, 171.908)
contains.

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Color

CIELCh(75, 29.108, 171.887)

Conversions

Conversions Part 1

Format	Color
Hex	7BC7B0
RGB	123, 199, 176
RGB Percent	48%, 78%, 69%
CMY	0.5171, 0.2190, 0.3092
CMYK	0.38, 0.00, 0.12, 0.22
HSL	162°, 40%, 63%
HSV	162°, 38%, 78%
XYZ	36.4982, 48.2781, 48.5449
YIQ	173.6540, -37.9130, -23.2650

Conversions

Conversions Part 2

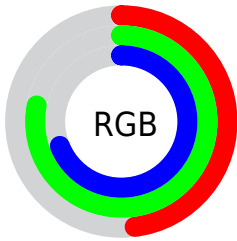
Format	Color
RYB	123, 168, 199
Decimal	8112048
CIELab	75.00, -28.82, 4.11
CIELCh	75, 29.108, 171.887
Yxy	48.2781, 0.2738, 0.3621
Android (android.graphics.Color)	4286302128 (0xFF7BC7B0)
YUV	173.6540, 1.1566, -44.4236
Hunter-Lab	69.4824, -27.8306, 7.2139

Details

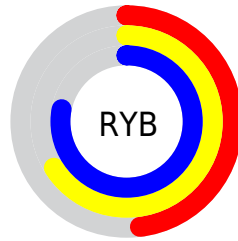
The CIELCh color **75, 29.108, 171.887** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **60, 32.580, 0.291**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.495, 173.036**, and **55, 29.168, 172.143** is the 20% darker color. If you saturate the color by 10%, you get **74, 35.813, 170.628**, and if you desaturate by 10%, it is **76, 21.900, 173.031**.

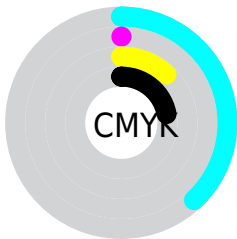
Distribution



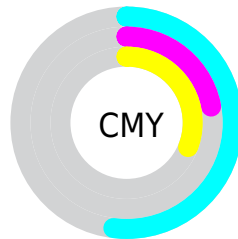
- Red (48%)
- Green (78%)
- Blue (69%)



- Red (48%)
- Yellow (66%)
- Blue (78%)



- Cyan (38%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)





- Cyan (52%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 29.108, 171.887 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, 29.108, 171.887 by changing the saturation by 10% instead.


 75, 29.108,
171.887


 75, 29.108,
171.887


 100, 29.108,
171.887


 65, 29.108,
171.887


 95, 29.108,
171.887

 55, 29.108,
171.887

 45, 29.108,
171.887

 35, 29.108,
171.887

 25, 29.108,
171.887

 15, 29.108,
171.887

 5, 29.108, 171.887

■ 0, 29.108, 171.887

■ 75, 29.108,
171.887

■ 75, 29.108,
171.887

■ 74, 35.813,
170.628

■ 76, 21.900,
173.031

■ 73, 41.883,
169.235

■ 77, 14.319,
174.090

■ 73, 47.212,
167.682

■ 79, 6.491, 175.100

■ 72, 51.731,
165.945

■ 81, 1.473, 355.611

■ 72, 55.435,
164.010

■ 82, 9.483, 356.736

■ 71, 58.431,
161.901

■ 84, 17.465,
357.566

■ 86, 22.802,
355.245

■ 71, 58.955,
161.520

■ 86, 24.175,
348.400

■ 86, 25.874,
342.407

Harmonies

Complementary

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



75, 29.108, 171.887



60, 32.580, 0.291

Rectangle

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



75, 29.108, 171.887



75, 29.108, 221.887



75, 29.108, 351.887



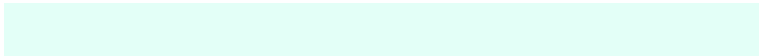
75, 29.108, 41.887

Sweetspot

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



75, 29.109, 171.885



98, 10.668, 174.797



75, 45.005, 133.352



52, 7.160, 174.659



0, 0.000, 0.000



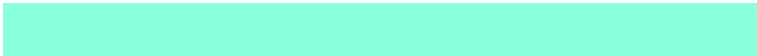
53, 0.007, 296.813

Same Dimension

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



75, 29.109, 171.885



93, 41.980, 170.824



72, 21.105, 219.255



41, 4.501, 174.976



59, 50.579, 161.864



11, 16.786, 167.532

Inverse Universe

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



60, 32.580, 0.291



71, 48.194, 1.786



63, 27.809, 37.808



39, 4.623, 356.599



34, 62.527, 20.281



4, 16.530, 4.098

Previews

White Background



This preview shows how the CIELCh color 75, 29.108, 171.887 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, 29.108, 171.887 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

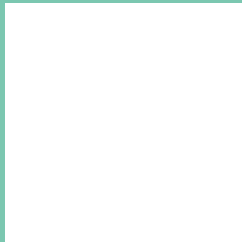
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 29.108, 171.887

Background



This preview shows how black text looks on a background with the CIELCh color 75, 29.108, 171.887.



This preview shows how white text looks on a background with the CIELCh color 75, 29.108, 171.887.

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
75, 29.108, 171.887

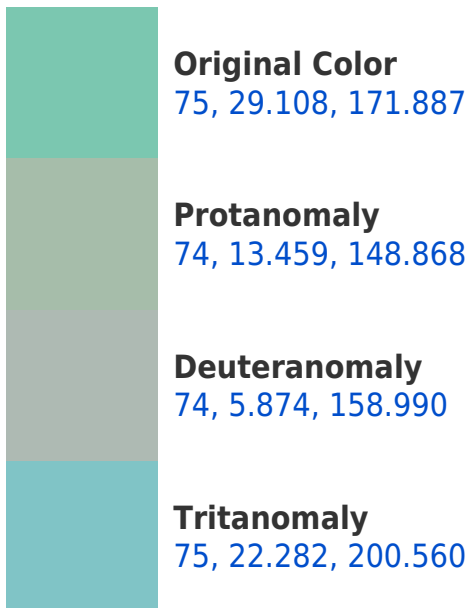
Protanopia
75, 9.139, 89.545

Deuteranopia
75, 9.638, 10.565

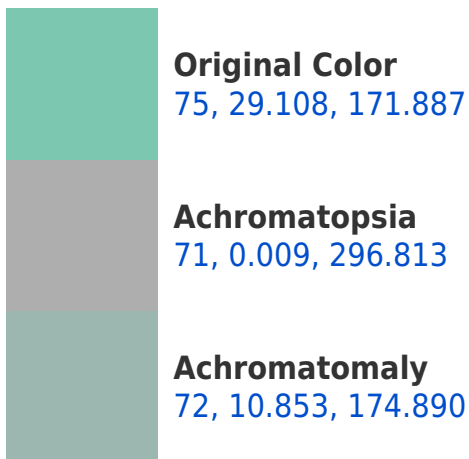


Tritanopia
75, 21.579, 221.852

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 29.108, 171.887 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(123, 199, 176)` looks like.

```
.text, #text, p{  
    color:rgb(123, 199, 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(123, 199, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 199, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 29.108, 171.887 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(123, 199, 176) }
```

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

```
.border{ border-color:rgb(123, 199, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 199, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 199, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 199, 176);  
box-shadow:4px 4px 4px 4px rgb(123, 199,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 29.108, 171.887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 199, 176) }
```

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

```
.background{ background-color: rgb(123,  
199, 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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