

Converting Colors

CIELCh(72, 28.333, 176.085)

Have a look what the booklet for
CIELCh(72, 28.333, 176.085)
contains.

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Color

CIELCh(72, 28.367, 175.730)

Conversions

Conversions Part 1

Format	Color
Hex	72BFAC
RGB	114, 191, 172
RGB Percent	45%, 75%, 67%
CMY	0.5541, 0.2521, 0.3266
CMYK	0.40, 0.00, 0.10, 0.25
HSL	165°, 37%, 60%
HSV	165°, 40%, 75%
XYZ	32.8876, 43.6590, 45.5795
YIQ	165.8110, -39.7930, -22.2330

Conversions

Conversions Part 2

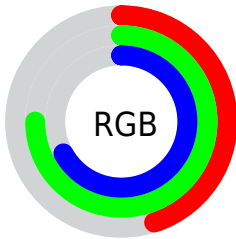
Format	Color
RYB	114, 158, 191
Decimal	7520172
CIELab	72.00, -28.29, 2.11
CIELCh	72, 28.367, 175.730
Yxy	43.6590, 0.2693, 0.3575
Android (android.graphics.Color)	4285710252 (0xFF72BFAC)
YUV	165.8110, 3.0512, -45.4382
Hunter-Lab	66.0750, -26.7862, 5.3534

Details

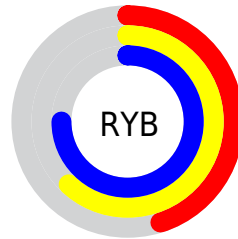
The CIELCh color **72, 28.367, 175.730** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **57, 32.842, 4.728**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 28.631, 175.209**, and **52, 28.175, 176.020** is the 20% darker color. If you saturate the color by 10%, you get **71, 34.322, 174.513**, and if you desaturate by 10%, it is **73, 21.865, 176.845**.

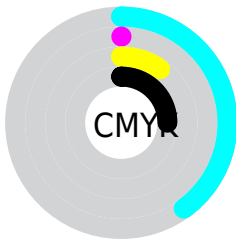
Distribution



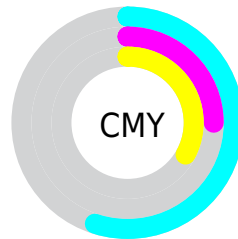
- Red (45%)
- Green (75%)
- Blue (67%)



- Red (45%)
- Yellow (62%)
- Blue (75%)



- Cyan (40%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)





- Cyan (55%)
- Magenta (25%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 28.367, 175.730 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 72, 28.367, 175.730 by changing the saturation by 10% instead.


 72, 28.367,
175.730


 72, 28.367,
175.730


 100, 28.367,
175.730


 62, 28.367,
175.730


 92, 28.367,
175.730

 52, 28.367,
175.730

 42, 28.367,
175.730

 32, 28.367,
175.730

 22, 28.367,
175.730

 12, 28.367,
175.730

 2, 28.367, 175.730

0, 28.367, 175.730

72, 28.367,
175.730

72, 28.367,
175.730

71, 34.322,
174.513

73, 21.865,
176.845

70, 39.611,
173.178

74, 14.936,
177.885

70, 44.145,
171.697

76, 7.703, 178.879

69, 47.878,
170.048

77, 0.276, 181.461

69, 50.822,
168.215

79, 7.254, 0.521

69, 53.086,
166.327

81, 14.808, 1.378

83, 22.328, 2.178

■ 83, 25.773,
359.373

■ 84, 26.618,
354.352

Harmonies

Complementary

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



72, 28.367, 175.730



57, 32.842, 4.728

Rectangle

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



72, 28.367, 175.730



72, 28.367, 225.730



72, 28.367, 355.730



72, 28.367, 45.730

Sweetspot

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



72, 28.368, 175.728



95, 10.986, 178.699



72, 46.838, 135.190



51, 7.335, 178.568



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



72, 28.368, 175.728



90, 40.615, 174.716



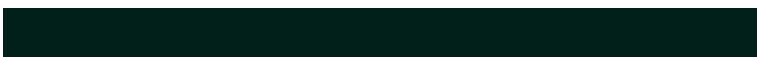
67, 20.955, 228.867



39, 4.177, 178.981



58, 46.003, 166.639



9, 13.636, 172.277

Inverse Universe

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



57, 32.842, 4.728



68, 48.546, 6.331



61, 27.608, 44.275



37, 4.312, 0.577



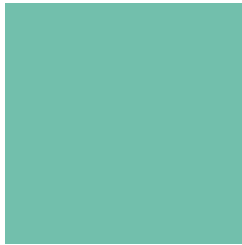
33, 62.809, 25.005



3, 12.664, 5.497

Previews

White Background



This preview shows how the CIELCh color 72, 28.367, 175.730 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 CIE LCh color 72, 28.367, 175.730 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 72, 28.367, 175.730

Background



This preview shows how black text looks on a background with the CIELCh color 72, 28.367, 175.730.

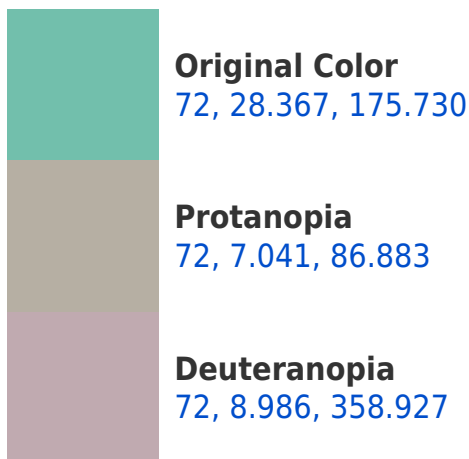


This preview shows how white text looks on a background with the CIELCh color 72, 28.367, 175.730.

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
72, 21.972, 219.968

Trichromacy



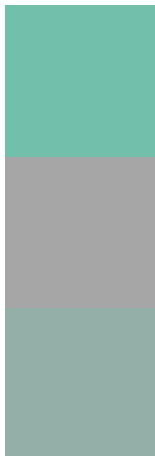
Original Color
72, 28.367, 175.730

Protanomaly
72, 12.210, 156.506

Deuteranomaly
71, 5.653, 176.324

Tritanomaly
72, 22.867, 200.416

Monochromacy



Original Color
72, 28.367, 175.730

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 11.028, 178.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 28.367, 175.730 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(114, 191, 172)` looks like.

```
.text, #text, p{  
    color:rgb(114, 191, 172)  
}
```

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(114, 191, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 191, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 28.367, 175.730 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(114, 191, 172) }
```

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

```
.border{ border-color:rgb(114, 191, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 191, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 191, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 191, 172);  
box-shadow:4px 4px 4px 4px rgb(114, 191,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 28.367, 175.730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 191, 172) }
```

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

```
.background{ background-color: rgb(114,  
191, 172) }
```

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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