

Converting Colors

CIELCh(72, 36.705, 179.995)

Have a look what the booklet for
CIELCh(72, 36.705, 179.995)
contains.

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Color

CIELCh(72, 36.615, 180.085)

Conversions

Conversions Part 1

Format	Color
Hex	51C2AF
RGB	81, 194, 175
RGB Percent	32%, 76%, 69%
CMY	0.6805, 0.2375, 0.3121
CMYK	0.58, 0.00, 0.10, 0.24
HSL	170°, 48%, 54%
HSV	170°, 58%, 76%
XYZ	30.6022, 43.6590, 47.5883
YIQ	158.0470, -61.2490, -29.8650

Conversions

Conversions Part 2

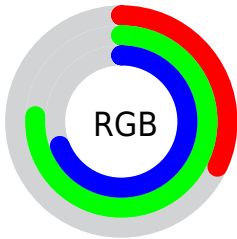
Format	Color
RYB	81, 143, 194
Decimal	5358255
CIELab	72.00, -36.61, -0.05
CIElCh	72, 36.615, 180.085
Yxy	43.6590, 0.2511, 0.3583
Android (android.graphics.Color)	4283548335 (0xFF51C2AF)
YUV	158.0470, 8.3578, -67.5702
Hunter-Lab	66.0750, -32.9600, 3.5508

Details

The CIELCh color **72, 36.615, 180.085** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **50, 48.448, 14.548**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 36.754, 179.783**, and **52, 36.001, 179.924** is the 20% darker color. If you saturate the color by 10%, you get **71, 40.796, 178.865**, and if you desaturate by 10%, it is **73, 31.643, 181.202**.

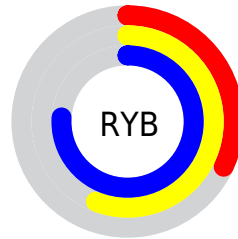
Distribution



Red (32%)

Green (76%)

Blue (69%)



Red (32%)

Yellow (56%)

Blue (76%)

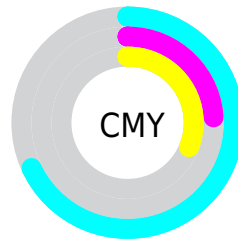


Cyan (58%)

Magenta (0%)

Yellow (10%)

Black (24%)



Cyan (68%)


Magenta (24%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.615, 180.085 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, 36.615, 180.085 by changing the saturation by 10% instead.


 72, 36.615,
180.085


 72, 36.615,
180.085


 100, 36.615,
180.085


 62, 36.615,
180.085


 92, 36.615,
180.085

 52, 36.615,
180.085

 42, 36.615,
180.085

 32, 36.615,
180.085

 22, 36.615,
180.085

 12, 36.615,
180.085

 2, 36.615, 180.085

0, 36.615, 180.085

72, 36.615,
180.085

72, 36.615,
180.085

71, 40.796,
178.865

73, 31.643,
181.202

71, 44.136,
177.525

74, 25.969,
182.242

71, 46.642,
176.042

75, 19.706,
183.222

70, 48.431,
174.420

76, 12.977,
184.158

70, 48.745,
174.111

77, 5.901, 185.088

79, 1.413, 5.493

81, 8.870, 6.618

■ 82, 16.392, 7.442

■ 84, 23.367, 7.855

Harmonies

Complementary

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



72, 36.615, 180.085



50, 48.448, 14.548

Rectangle

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



72, 36.615, 180.085



72, 36.615, 230.085



72, 36.615, 0.085



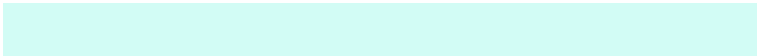
72, 36.615, 50.085

Sweetspot

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



72, 36.615, 180.084



96, 15.097, 184.234



71, 68.211, 135.772



51, 10.140, 184.045



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



72, 36.615, 180.084



90, 50.981, 178.476



62, 28.889, 242.514



40, 4.116, 184.966



59, 42.190, 174.369



10, 13.974, 178.877

Inverse Universe

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



50, 48.448, 14.548



59, 71.831, 18.656



57, 42.064, 50.439



38, 4.285, 6.475



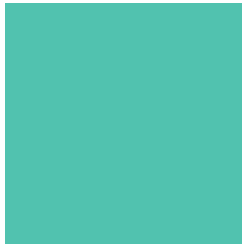
33, 66.787, 31.123



3, 14.209, 10.292

Previews

White Background



This preview shows how the CIE LCh color 72, 36.615, 180.085 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 72, 36.615, 180.085 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

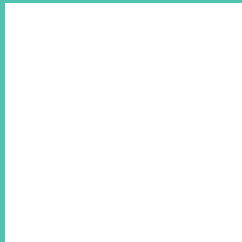
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 36.615, 180.085

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.615, 180.085.

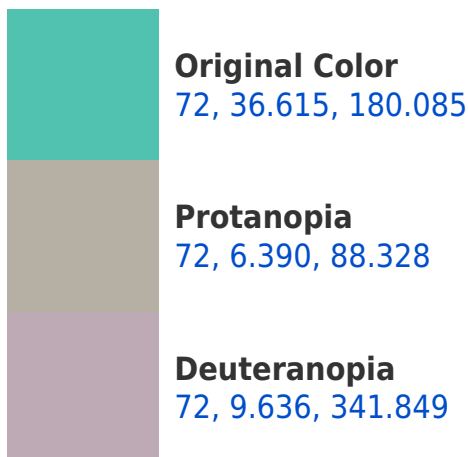


This preview shows how white text looks on a background with the CIELCh color 72, 36.615, 180.085.

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, 29.214, 213.798

Trichromacy



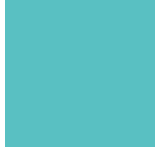
Original Color
72, 36.615, 180.085



Protanomaly
71, 15.645, 168.891



Deuteranomaly
71, 10.044, 198.631



Tritanomaly
72, 30.807, 199.145

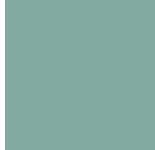
Monochromacy



Original Color
72, 36.615, 180.085



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 15.326, 183.438

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.615, 180.085 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(81, 194, 175)` looks like.

```
.text, #text, p{  
    color:rgb(81, 194, 175)  
}
```

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(81, 194, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 194, 175) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.615, 180.085 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(81, 194, 175) }
```

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

```
.border{ border-color:rgb(81, 194, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 194, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 194, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 194, 175);  
box-shadow:4px 4px 4px 4px rgb(81, 194,  
175) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.615, 180.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 194, 175) }
```

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

```
.background{ background-color: rgb(81, 194,  
175) }
```

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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