

Converting Colors

CIELCh(72, 36.468, 177.247)

Have a look what the booklet for
CIELCh(72, 36.468, 177.247)
contains.

CIELCh(72, 36.410, 177.309)	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(72, 36.410, 177.309)

Conversions

Conversions Part 1

Format	Color
Hex	56C2AC
RGB	86, 194, 172
RGB Percent	34%, 76%, 67%
CMY	0.6618, 0.2383, 0.3246
CMYK	0.56, 0.00, 0.11, 0.24
HSL	168°, 47%, 55%
HSV	168°, 56%, 76%
XYZ	30.6679, 43.6590, 45.9485
YIQ	159.2000, -57.3060, -29.7380

Conversions

Conversions Part 2

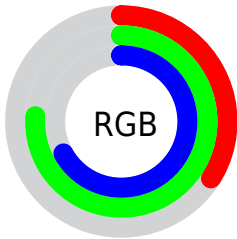
Format	Color
RYB	86, 146, 194
Decimal	5685932
CIELab	72.00, -36.37, 1.71
CIELCh	72, 36.410, 177.309
Yxy	43.6590, 0.2550, 0.3630
Android (android.graphics.Color)	4283876012 (0xFF56C2AC)
YUV	159.2000, 6.3104, -64.1964
Hunter-Lab	66.0750, -32.7825, 5.0222

Details

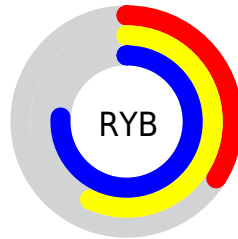
The CIELCh color **72, 36.410, 177.309** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **51, 46.183, 11.174**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 36.518, 177.119**, and **52, 36.497, 177.241** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.051, 176.002**, and if you desaturate by 10%, it is **73, 31.018, 178.499**.

Distribution



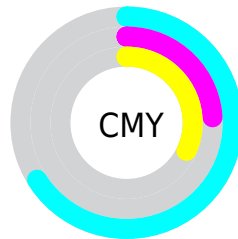
- Red (34%)
- Green (76%)
- Blue (67%)



- Red (34%)
- Yellow (57%)
- Blue (76%)



- Cyan (56%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)





- Cyan (66%)
- Magenta (24%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 36.410, 177.309 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, 36.410, 177.309 by changing the saturation by 10% instead.


 72, 36.410,
177.309


 72, 36.410,
177.309


 100, 36.410,
177.309


 62, 36.410,
177.309


 92, 36.410,
177.309

 52, 36.410,
177.309

 42, 36.410,
177.309

 32, 36.410,
177.309

 22, 36.410,
177.309

 12, 36.410,
177.309

 2, 36.410, 177.309

0, 36.410, 177.309

72, 36.410,
177.309

72, 36.410,
177.309

71, 41.051,
176.002

73, 31.018,
178.499

71, 44.875,
174.559

74, 24.975,
179.598

71, 47.870,
172.956

75, 18.401,
180.625

70, 50.094,
171.184

76, 11.421,
181.600

70, 50.949,
170.390

78, 4.151, 182.587

79, 3.302, 3.185

81, 10.851, 4.124

■ 83, 18.423, 4.947

■ 84, 23.756, 3.976

Harmonies

Complementary

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



72, 36.410, 177.309



51, 46.183, 11.174

Rectangle

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



72, 36.410, 177.309



72, 36.410, 227.309



72, 36.410, 357.309



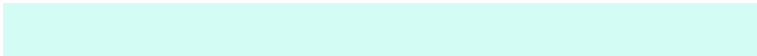
72, 36.410, 47.309

Sweetspot

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



72, 36.410, 177.308



96, 15.360, 181.440



71, 64.914, 135.127



51, 10.322, 181.241



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, 36.410, 177.308



90, 51.241, 175.661



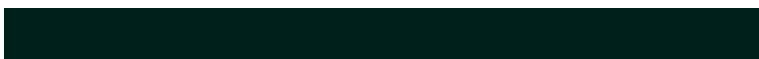
64, 27.511, 236.692



40, 4.180, 182.201



59, 44.104, 170.675



10, 14.394, 175.705

Inverse Universe

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



51, 46.183, 11.174



60, 68.436, 14.814



57, 40.367, 47.415



38, 4.335, 3.764



33, 65.266, 28.525



3, 14.298, 8.420

Previews

White Background



This preview shows how the CIELCh color 72, 36.410, 177.309 looks on a white background.

Color Contrast Check

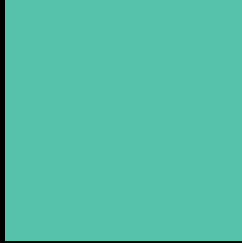
Large Text (above 18pt) WCAG AA × Fail

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, 36.410, 177.309 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

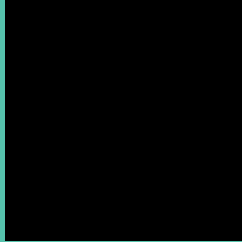
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

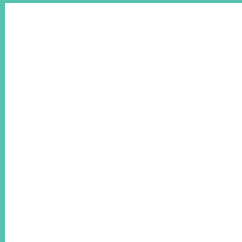
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 36.410, 177.309

Background



This preview shows how black text looks on a background with the CIELCh color 72, 36.410, 177.309.

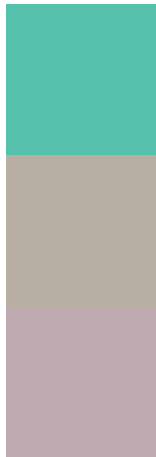


This preview shows how white text looks on a background with the CIELCh color 72, 36.410, 177.309.

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

72, 36.410, 177.309

Protanopia

72, 7.547, 88.378

Deuteranopia

72, 8.838, 354.679



Tritanopia
72, 28.197, 214.473

Trichromacy



Original Color
72, 36.410, 177.309



Protanomaly
71, 15.682, 164.332



Deuteranomaly
71, 9.745, 185.657



Tritanomaly
72, 29.841, 198.216

Monochromacy



Original Color
72, 36.410, 177.309



Achromatopsia
65, 0.008, 296.813



Achromatomaly
67, 14.869, 180.831

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 36.410, 177.309 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(86, 194, 172)` looks like.

```
.text, #text, p{  
    color:rgb(86, 194, 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(86, 194, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 194, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 36.410, 177.309 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(86, 194, 172) }
```

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

```
.border{ border-color:rgb(86, 194, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 194, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 194, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 194, 172);  
box-shadow:4px 4px 4px 4px rgb(86, 194,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 36.410, 177.309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 194, 172) }
```

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

```
.background{ background-color: rgb(86, 194,  
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](#).

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