

Converting Colors

CIELCh(72, 41.230, 176.066)

Have a look what the booklet for
CIELCh(72, 41.230, 176.066)
contains.

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Color

CIELCh(72, 41.198, 176.097)

Conversions

Conversions Part 1

Format	Color
Hex	44C4AA
RGB	68, 196, 170
RGB Percent	27%, 77%, 67%
CMY	0.7329, 0.2310, 0.3330
CMYK	0.65, 0.00, 0.13, 0.23
HSL	168°, 52%, 52%
HSV	168°, 65%, 77%
XYZ	29.4157, 43.6590, 44.9498
YIQ	154.7640, -67.9420, -35.2220

Conversions

Conversions Part 2

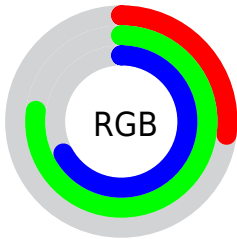
Format	Color
RYB	68, 139, 196
Decimal	4506794
CIELab	72.00, -41.10, 2.80
CIElCh	72, 41.198, 176.097
Yxy	43.6590, 0.2492, 0.3699
Android (android.graphics.Color)	4282696874 (0xFF44C4AA)
YUV	154.7640, 7.5113, -76.0920
Hunter-Lab	66.0750, -36.1653, 5.9184

Details

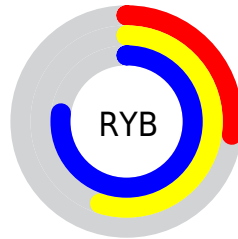
The CIELCh color **72, 41.198, 176.097** is a dark color, and the websafe version is hex **66CC99**. The color can be described as middle muted spring green. A complement of this color would be **48, 54.462, 13.965**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 41.181, 176.127**, and **52, 38.018, 175.139** is the 20% darker color. If you saturate the color by 10%, you get **72, 45.071, 174.658**, and if you desaturate by 10%, it is **73, 36.502, 177.397**.

Distribution



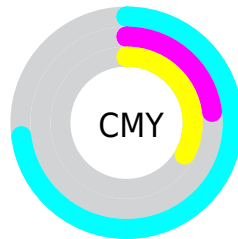
- Red (27%)
- Green (77%)
- Blue (67%)



- Red (27%)
- Yellow (55%)
- Blue (77%)



- Cyan (65%)
- Magenta (0%)
- Yellow (13%)
- Black (23%)





- Cyan (73%)
- Magenta (23%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 41.198, 176.097 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, 41.198, 176.097 by changing the saturation by 10% instead.


 72, 41.198,
176.097


 72, 41.198,
176.097


 100, 41.198,
176.097


 62, 41.198,
176.097


 92, 41.198,
176.097

 52, 41.198,
176.097

 42, 41.198,
176.097

 32, 41.198,
176.097

 22, 41.198,
176.097

 12, 41.198,
176.097

 2, 41.198, 176.097

0, 41.198, 176.097

72, 41.198,
176.097

72, 41.198,
176.097

72, 45.071,
174.658

73, 36.502,
177.397

71, 48.107,
173.061

73, 31.051,
178.584

71, 50.362,
171.295

74, 24.946,
179.680

71, 51.282,
170.439

76, 18.310,
180.705

77, 11.266,
181.679

78, 3.935, 182.671

■ 80, 3.579, 3.271

■ 82, 11.187, 4.200

■ 84, 18.818, 5.021

Harmonies

Complementary

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



72, 41.198, 176.097



48, 54.462, 13.965

Rectangle

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



72, 41.198, 176.097



72, 41.198, 226.097



72, 41.198, 356.097



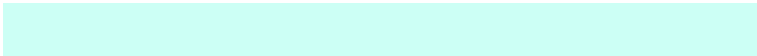
72, 41.198, 46.097

Sweetspot

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



72, 41.198, 176.096



96, 18.116, 181.192



71, 75.129, 134.564



51, 12.292, 180.912



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, 41.198, 176.096



90, 56.508, 174.046



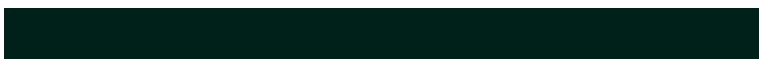
62, 31.047, 239.225



40, 4.179, 182.248



59, 44.069, 170.737



10, 14.386, 175.759

Inverse Universe

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



48, 54.462, 13.965



57, 78.682, 19.159



54, 49.418, 47.430



38, 4.334, 3.811



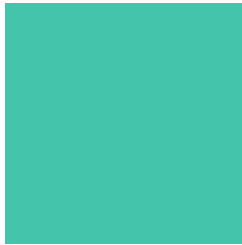
33, 65.292, 28.572



3, 14.296, 8.452

Previews

White Background



This preview shows how the CIELCh color 72, 41.198, 176.097 looks on a white background.

Color Contrast Check

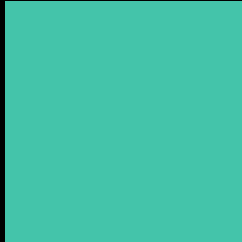
Large Text (above 18pt) WCAG AA × Fail

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, 41.198, 176.097 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

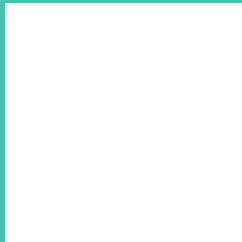
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 41.198, 176.097

Background



This preview shows how black text looks on a background with the CIELCh color 72, 41.198, 176.097.

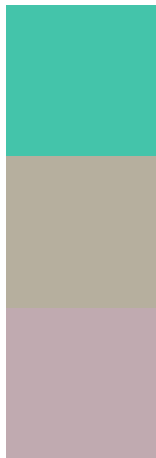


This preview shows how white text looks on a background with the CIELCh color 72, 41.198, 176.097.

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](#).

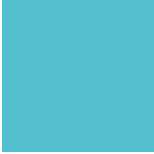
Dichromacy



Original Color
72, 41.198, 176.097

Protanopia
72, 9.613, 92.703

Deuteranopia
72, 8.986, 358.927



Tritanopia
72, 31.127, 212.630

Trichromacy



Original Color
72, 41.198, 176.097



Protanomaly
71, 19.382, 161.635



Deuteranomaly
71, 11.930, 185.162

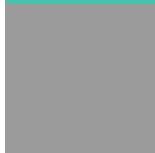


Tritanomaly
72, 33.364, 196.905

Monochromacy



Original Color
72, 41.198, 176.097



Achromatopsia
64, 0.008, 296.813



Achromatomaly
66, 17.856, 179.746

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 41.198, 176.097 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(68, 196, 170)` looks like.

```
.text, #text, p{  
    color:rgb(68, 196, 170)  
}
```

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(68, 196, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 196, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 41.198, 176.097 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(68, 196, 170) }
```

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

```
.border{ border-color:rgb(68, 196, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 196, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 196, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 196, 170);  
box-shadow:4px 4px 4px 4px rgb(68, 196,  
170) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 41.198, 176.097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 196, 170) }
```

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

```
.background{ background-color: rgb(68, 196,  
170) }
```

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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