

Converting Colors

CIELCh(72, 35.780, 171.344)

Have a look what the booklet for
CIELCh(72, 35.780, 171.344)
contains.

CIELCh(72, 35.786, 171.403)	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, 35.786, 171.403)

Conversions

Conversions Part 1

Format	Color
Hex	61C2A6
RGB	97, 194, 166
RGB Percent	38%, 76%, 65%
CMY	0.6212, 0.2408, 0.3506
CMYK	0.50, 0.00, 0.14, 0.24
HSL	163°, 44%, 57%
HSV	163°, 50%, 76%
XYZ	30.9332, 43.6590, 42.6843
YIQ	161.8050, -48.8240, -29.2720

Conversions

Conversions Part 2

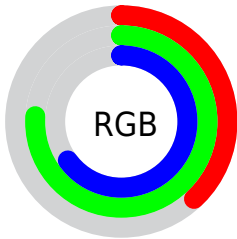
Format	Color
RYB	97, 154, 194
Decimal	6406822
CIELab	72.00, -35.38, 5.35
CIELCh	72, 35.786, 171.403
Yxy	43.6590, 0.2638, 0.3723
Android (android.graphics.Color)	4284596902 (0xFF61C2A6)
YUV	161.8050, 2.0681, -56.8340
Hunter-Lab	66.0750, -32.0659, 7.9513

Details

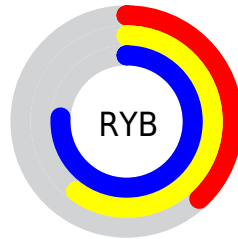
The CIELCh color **72, 35.786, 171.403** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **53, 41.841, 3.498**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 35.912, 171.475**, and **52, 35.957, 171.091** is the 20% darker color. If you saturate the color by 10%, you get **71, 41.480, 170.001**, and if you desaturate by 10%, it is **73, 29.446, 172.667**.

Distribution



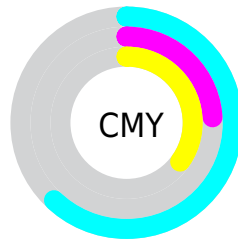
- Red (38%)
- Green (76%)
- Blue (65%)



- Red (38%)
- Yellow (60%)
- Blue (76%)



- Cyan (50%)
- Magenta (0%)
- Yellow (14%)
- Black (24%)





- Cyan (62%)
- Magenta (24%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 35.786, 171.403 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, 35.786, 171.403 by changing the saturation by 10% instead.


 72, 35.786,
171.403


 72, 35.786,
171.403


 100, 35.786,
171.403


 62, 35.786,
171.403


 92, 35.786,
171.403

 52, 35.786,
171.403

 42, 35.786,
171.403

 32, 35.786,
171.403

 22, 35.786,
171.403

 12, 35.786,
171.403

 2, 35.786, 171.403

0, 35.786, 171.403

72, 35.786,
171.403

72, 35.786,
171.403

71, 41.480,
170.001

73, 29.446,
172.667

71, 46.428,
168.441

74, 22.580,
173.821

70, 50.578,
166.698

75, 15.317,
174.887

70, 53.935,
164.760

77, 7.780, 175.896

70, 56.652,
162.707

78, 0.080, 182.620

80, 7.690, 357.553

82, 15.455,
358.402

■ 84, 23.158,
359.191

■ 84, 25.384,
354.233

Harmonies

Complementary

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



72, 35.786, 171.403



53, 41.841, 3.498

Rectangle

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



72, 35.786, 171.403



72, 35.786, 221.403



72, 35.786, 351.403



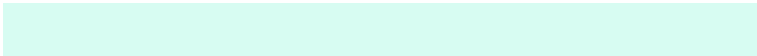
72, 35.786, 41.403

Sweetspot

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



72, 35.787, 171.402



96, 14.254, 175.382



72, 57.405, 133.200



51, 9.781, 175.164



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, 35.787, 171.402



90, 51.197, 169.875



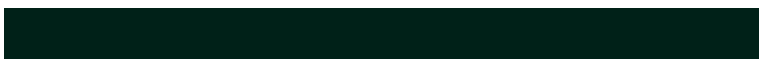
67, 25.424, 222.887



40, 4.369, 175.970



59, 49.092, 163.031



10, 15.495, 168.829

Inverse Universe

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



53, 41.841, 3.498



63, 61.682, 6.055



57, 37.052, 39.845



38, 4.493, 357.587



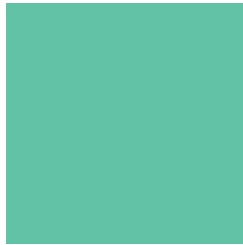
33, 62.192, 21.477



3, 14.571, 4.058

Previews

White Background



This preview shows how the CIELCh color 72, 35.786, 171.403 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, 35.786, 171.403 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

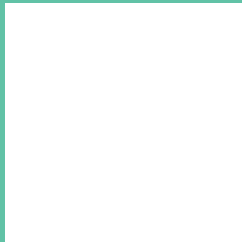
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 35.786, 171.403

Background



This preview shows how black text looks on a background with the CIELCh color 72, 35.786, 171.403.

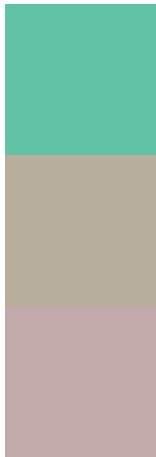


This preview shows how white text looks on a background with the CIELCh color 72, 35.786, 171.403.

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](#).

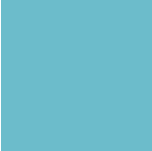
Dichromacy



Original Color
72, 35.786, 171.403

Protanopia
72, 10.769, 92.164

Deuteranopia
72, 9.251, 16.813



Tritanopia
72, 25.560, 216.486

Trichromacy



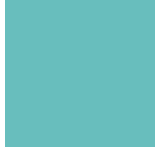
Original Color
72, 35.786, 171.403



Protanomaly
71, 16.960, 150.595



Deuteranomaly
71, 9.290, 162.761



Tritanomaly
72, 27.254, 196.166

Monochromacy



Original Color
72, 35.786, 171.403



Achromatopsia
66, 0.008, 296.813



Achromatomaly
68, 14.037, 175.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 35.786, 171.403 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(97, 194, 166)` looks like.

```
.text, #text, p{  
    color:rgb(97, 194, 166)  
}
```

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(97, 194, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 194, 166) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 35.786, 171.403 is called "border". The border property can be set on classes, ids or directly on the HTML element.

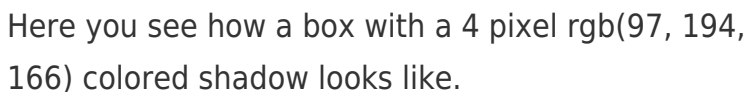
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(97, 194, 166) }
```

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

```
.border{ border-color:rgb(97, 194, 166) }
```

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



Here you see how a box with a 4 pixel `rgb(97, 194, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(97, 194, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(97, 194, 166); box-shadow:4px 4px 4px 4px rgb(97, 194, 166) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 35.786, 171.403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 194, 166) }
```

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

```
.background{ background-color: rgb(97, 194,  
166) }
```

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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