

Converting Colors

CIELCh(72, 47.729, 166.700)

Have a look what the booklet for
CIELCh(72, 47.729, 166.700)
contains.

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Color

CIELCh(72, 47.879, 166.624)

Conversions

Conversions Part 1

Format	Color
Hex	3EC69B
RGB	62, 198, 155
RGB Percent	24%, 78%, 61%
CMY	0.7580, 0.2244, 0.3930
CMYK	0.69, 0.00, 0.22, 0.22
HSL	161°, 54%, 51%
HSV	161°, 69%, 78%
XYZ	28.0095, 43.6590, 37.8677
YIQ	152.4340, -67.2530, -42.2050

Conversions

Conversions Part 2

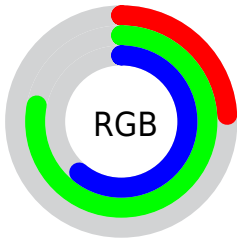
Format	Color
RYB	62, 143, 198
Decimal	4114075
CIELab	72.00, -46.58, 11.08
CIELCh	72, 47.879, 166.624
Yxy	43.6590, 0.2557, 0.3986
Android (android.graphics.Color)	4282304155 (0xFF3EC69B)
YUV	152.4340, 1.2650, -79.3106
Hunter-Lab	66.0750, -39.9643, 12.2733

Details

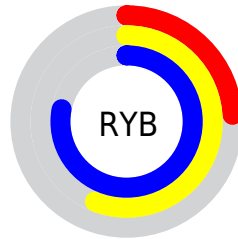
The CIELCh color **72, 47.879, 166.624** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **47, 57.216, 6.202**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 47.700, 166.533**, and **53, 44.047, 164.566** is the 20% darker color. If you saturate the color by 10%, you get **72, 52.441, 164.855**, and if you desaturate by 10%, it is **73, 42.515, 168.203**.

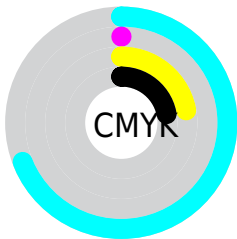
Distribution



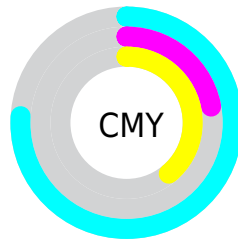
- Red (24%)
- Green (78%)
- Blue (61%)



- Red (24%)
- Yellow (56%)
- Blue (78%)



- Cyan (69%)
- Magenta (0%)
- Yellow (22%)
- Black (22%)




- Cyan (76%)
- Magenta (22%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 47.879, 166.624 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, 47.879, 166.624 by changing the saturation by 10% instead.


 72, 47.879,
166.624


 72, 47.879,
166.624


 100, 47.879,
166.624


 62, 47.879,
166.624


 92, 47.879,
166.624

 52, 47.879,
166.624

 42, 47.879,
166.624

 32, 47.879,
166.624

 22, 47.879,
166.624

 12, 47.879,
166.624

 2, 47.879, 166.624

0, 47.879, 166.624

72, 47.879,
166.624

72, 47.879,
166.624

72, 52.441,
164.855

73, 42.515,
168.203

71, 56.195,
162.885

73, 36.414,
169.618

71, 59.268,
160.752

74, 29.684,
170.893

71, 59.625,
160.500

76, 22.451,
172.051

77, 14.850,
173.117

78, 7.007, 174.127

■ 80, 0.970, 354.486

■ 82, 8.987, 355.769

■ 84, 16.971,
356.599

Harmonies

Complementary

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



72, 47.879, 166.624



47, 57.216, 6.202

Rectangle

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



72, 47.879, 166.624



72, 47.879, 216.624



72, 47.879, 346.624



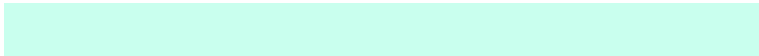
72, 47.879, 36.624

Sweetspot

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



72, 47.879, 166.623



96, 20.336, 172.855



72, 76.746, 131.950



51, 13.715, 172.559



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, 47.879, 166.623



90, 66.096, 163.805



66, 31.859, 223.346



41, 4.537, 174.068



59, 51.419, 160.837



11, 17.000, 166.582

Inverse Universe

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



47, 57.216, 6.202



56, 79.937, 12.000



51, 55.864, 40.096



39, 4.654, 355.688



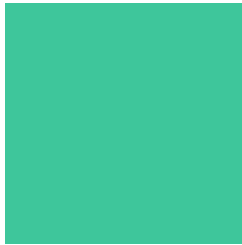
34, 62.169, 19.075



4, 16.587, 3.427

Previews

White Background



This preview shows how the CIELCh color 72, 47.879, 166.624 looks on a white background.

Color Contrast Check

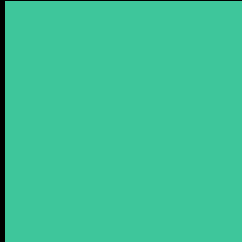
Large Text (above 18pt) WCAG AA × Fail

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, 47.879, 166.624 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

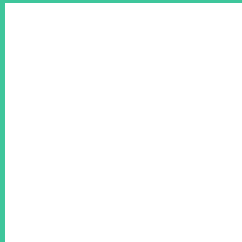
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 47.879, 166.624

Background



This preview shows how black text looks on a background with the CIELCh color 72, 47.879, 166.624.

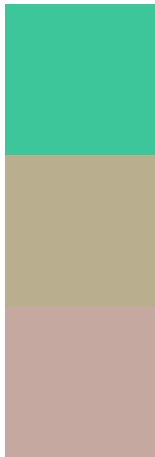


This preview shows how white text looks on a background with the CIELCh color 72, 47.879, 166.624.

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, 47.879, 166.624

Protanopia

72, 17.798, 95.328

Deuteranopia

71, 11.882, 41.576



Tritanopia
72, 31.127, 212.630

Trichromacy



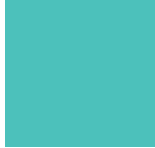
Original Color
72, 47.879, 166.624



Protanomaly
71, 25.602, 147.627



Deuteranomaly
70, 16.057, 155.286



Tritanomaly
72, 34.587, 191.304

Monochromacy



Original Color
72, 47.879, 166.624



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 20.339, 171.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 47.879, 166.624 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(62, 198, 155)` looks like.

```
.text, #text, p{  
    color:rgb(62, 198, 155)  
}
```

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(62, 198, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 198, 155) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 47.879, 166.624 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(62, 198, 155) }
```

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

```
.border{ border-color:rgb(62, 198, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 198, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 198, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 198, 155);  
box-shadow:4px 4px 4px 4px rgb(62, 198,  
155) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 47.879, 166.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 198, 155) }
```

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

```
.background{ background-color: rgb(62, 198,  
155) }
```

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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