

Converting Colors

CIELCh(72, 52.689, 162.636)

Have a look what the booklet for
CIELCh(72, 52.689, 162.636)
contains.

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Color

CIELCh(72, 52.780, 162.583)

Conversions

Conversions Part 1

Format	Color
Hex	35C792
RGB	53, 199, 146
RGB Percent	21%, 78%, 57%
CMY	0.7923, 0.2197, 0.4276
CMYK	0.73, 0.00, 0.27, 0.22
HSL	158°, 58%, 49%
HSV	158°, 73%, 78%
XYZ	27.0657, 43.6590, 34.1803
YIQ	149.3040, -70.0030, -47.4350

Conversions

Conversions Part 2

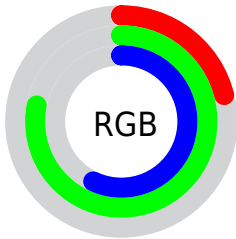
Format	Color
RYB	53, 142, 199
Decimal	3524498
CIELab	72.00, -50.36, 15.80
CIElCh	72, 52.780, 162.583
Yxy	43.6590, 0.2580, 0.4162
Android (android.graphics.Color)	4281714578 (0xFF35C792)
YUV	149.3040, -1.6289, -84.4586
Hunter-Lab	66.0750, -42.5139, 15.5820

Details

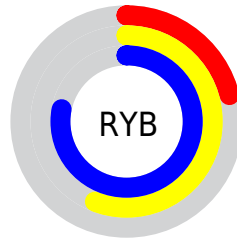
The CIELCh color **72, 52.780, 162.583** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **47, 60.655, 3.933**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 51.869, 163.014**, and **53, 48.127, 159.289** is the 20% darker color. If you saturate the color by 10%, you get **72, 57.402, 160.662**, and if you desaturate by 10%, it is **73, 47.348, 164.298**.

Distribution



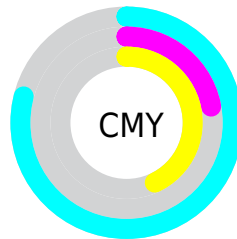
- Red (21%)
- Green (78%)
- Blue (57%)



- Red (21%)
- Yellow (56%)
- Blue (78%)



- Cyan (73%)
- Magenta (0%)
- Yellow (27%)
- Black (22%)





- Cyan (79%)
- Magenta (22%)
- Yellow (43%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 72, 52.780, 162.583 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, 52.780, 162.583 by changing the saturation by 10% instead.


 72, 52.780,
162.583


 72, 52.780,
162.583


 100, 52.780,
162.583


 62, 52.780,
162.583


 92, 52.780,
162.583

 52, 52.780,
162.583

 42, 52.780,
162.583

 32, 52.780,
162.583

 22, 52.780,
162.583

 12, 52.780,
162.583

 2, 52.780, 162.583

■ 0, 52.780, 162.583

■ 72, 52.780,
162.583

■ 72, 52.780,
162.583

■ 72, 57.402,
160.662

■ 73, 47.348,
164.298

■ 71, 61.237,
158.536

■ 73, 41.151,
165.827

■ 71, 63.477,
157.081

■ 74, 34.288,
167.192

■ 75, 26.886,
168.418

■ 77, 19.083,
169.531

■ 78, 11.012,
170.558

■ 80, 2.793, 171.609

■ 81, 5.475, 352.226

■ 83, 13.710,
353.082

Harmonies

Complementary

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



72, 52.780, 162.583



47, 60.655, 3.933

Rectangle

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



72, 52.780, 162.583



72, 52.780, 212.583



72, 52.780, 342.583



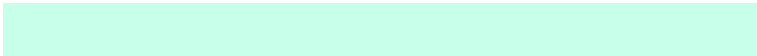
72, 52.780, 32.583

Sweetspot

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



72, 52.780, 162.582



96, 21.982, 169.644



72, 79.872, 130.520



51, 14.726, 169.350



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, 52.780, 162.582



89, 72.033, 159.430



68, 33.707, 215.849



41, 4.673, 170.957



59, 54.454, 157.438



11, 17.777, 163.381

Inverse Universe

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



47, 60.655, 3.933



55, 81.897, 10.181



48, 62.348, 37.699



39, 4.775, 352.558



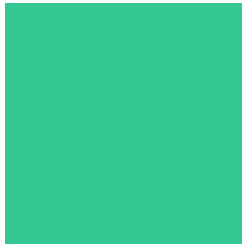
34, 61.164, 14.676



4, 16.822, 0.943

Previews

White Background



This preview shows how the CIELCh color 72, 52.780, 162.583 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, 52.780, 162.583 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, 52.780, 162.583

Background



This preview shows how black text looks on a background with the CIELCh color 72, 52.780, 162.583.

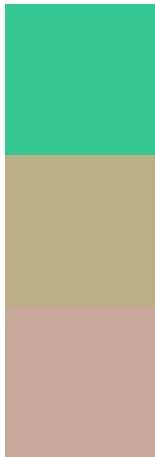


This preview shows how white text looks on a background with the CIELCh color 72, 52.780, 162.583.

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](#).

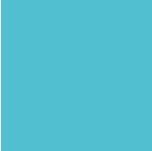
Dichromacy



Original Color
72, 52.780, 162.583

Protanopia
72, 22.193, 95.193

Deuteranopia
72, 15.257, 54.703



Tritanopia
72, 31.682, 213.369

Trichromacy



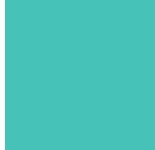
Original Color
72, 52.780, 162.583



Protanomaly
71, 30.212, 143.362



Deuteranomaly
70, 20.726, 145.824



Tritanomaly
72, 36.197, 188.806

Monochromacy



Original Color
72, 52.780, 162.583



Achromatopsia
62, 0.008, 296.813



Achromatomaly
64, 22.155, 168.942

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 52.780, 162.583 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(53, 199, 146)` looks like.

```
.text, #text, p{  
    color:rgb(53, 199, 146)  
}
```

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(53, 199, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 199, 146) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 52.780, 162.583 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(53, 199, 146) }
```

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

```
.border{ border-color:rgb(53, 199, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 199, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 199, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 199, 146);  
box-shadow:4px 4px 4px 4px rgb(53, 199,  
146) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 52.780, 162.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 199, 146) }
```

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

```
.background{ background-color: rgb(53, 199,  
146) }
```

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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