

Converting Colors

CIELCh(70, 47.655, 166.604)

Have a look what the booklet for
CIELCh(70, 47.655, 166.604)
contains.

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Color

CIELCh(70, 47.535, 166.894)

Conversions

Conversions Part 1

Format	Color
Hex	37C096
RGB	55, 192, 150
RGB Percent	22%, 75%, 59%
CMY	0.7839, 0.2468, 0.4115
CMYK	0.71, 0.00, 0.22, 0.25
HSL	162°, 55%, 48%
HSV	162°, 71%, 75%
XYZ	25.9563, 40.7494, 35.3795
YIQ	146.2490, -68.1700, -42.1060

Conversions

Conversions Part 2

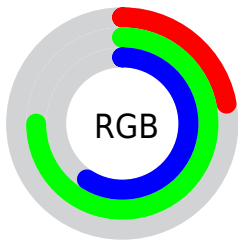
Format	Color
RYB	55, 136, 192
Decimal	3653782
CIELab	70.00, -46.30, 10.78
CIELCh	70, 47.535, 166.894
Yxy	40.7494, 0.2543, 0.3992
Android (android.graphics.Color)	4281843862 (0xFF37C096)
YUV	146.2490, 1.8492, -80.0254
Hunter-Lab	63.8353, -39.1313, 11.8244

Details

The CIELCh color **70, 47.535, 166.894** 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 **45, 57.499, 7.706**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 47.439, 166.876**, and **50, 42.886, 164.267** is the 20% darker color. If you saturate the color by 10%, you get **70, 51.721, 165.096**, and if you desaturate by 10%, it is **71, 42.558, 168.501**.

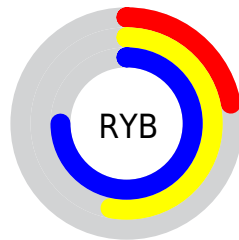
Distribution



Red (22%)

Green (75%)

Blue (59%)



Red (22%)

Yellow (53%)

Blue (75%)

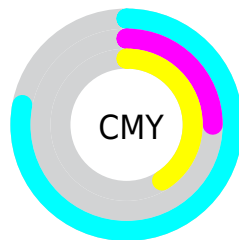


Cyan (71%)

Magenta (0%)

Yellow (22%)

Black (25%)



Cyan (78%)


Magenta (25%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.535, 166.894 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 70, 47.535, 166.894 by changing the saturation by 10% instead.


 70, 47.535,
166.894


 70, 47.535,
166.894


 100, 47.535,
166.894


 60, 47.535,
166.894

 90, 47.535,
166.894

 50, 47.535,
166.894

 40, 47.535,
166.894

 30, 47.535,
166.894

 20, 47.535,
166.894

 10, 47.535,
166.894

 0, 47.535, 166.894

■ 70, 47.535,
166.894

■ 70, 47.535,
166.894

■ 70, 51.721,
165.096

■ 71, 42.558,
168.501

■ 69, 55.128,
163.100

■ 71, 36.840,
169.940

■ 69, 57.618,
161.265

■ 72, 30.475,
171.236

■ 73, 23.585,
172.414

■ 75, 16.297,
173.495

■ 76, 8.737, 174.511

■ 78, 1.016, 175.834

■ 79, 6.772, 356.178

■ 81, 14.551,
357.032

Harmonies

Complementary

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



70, 47.535, 166.894



45, 57.499, 7.706

Rectangle

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



70, 47.535, 166.894



70, 47.535, 216.894



70, 47.535, 346.894



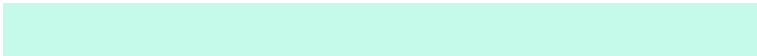
70, 47.535, 36.894

Sweetspot

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



70, 47.535, 166.893



94, 19.883, 173.493



70, 77.102, 131.900



50, 13.406, 173.200



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



70, 47.535, 166.893



88, 65.662, 163.909



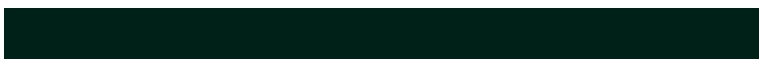
64, 31.712, 223.828



40, 4.416, 174.705



59, 50.220, 161.582



10, 15.747, 167.473

Inverse Universe

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



45, 57.499, 7.706



54, 80.428, 14.163



49, 56.937, 40.367



38, 4.534, 356.321



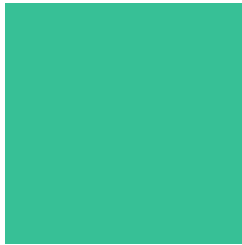
33, 61.673, 19.842



3, 14.640, 3.144

Previews

White Background



This preview shows how the CIELCh color 70, 47.535, 166.894 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 70, 47.535, 166.894 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 70, 47.535, 166.894

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.535, 166.894.

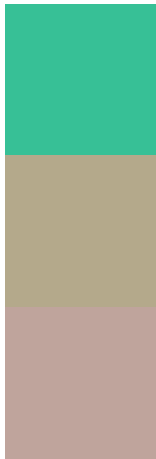


This preview shows how white text looks on a background with the CIELCh color 70, 47.535, 166.894.

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
70, 47.535, 166.894

Protanopia
69, 16.959, 93.225

Deuteranopia
69, 11.584, 42.274



Tritanopia
70, 30.961, 212.779

Trichromacy



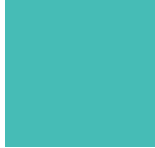
Original Color
70, 47.535, 166.894



Protanomaly
68, 24.660, 148.521



Deuteranomaly
68, 16.412, 156.068



Tritanomaly
70, 34.615, 191.228

Monochromacy



Original Color
70, 47.535, 166.894



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 20.442, 171.613

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.535, 166.894 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(55, 192, 150)` looks like.

```
.text, #text, p{  
    color:rgb(55, 192, 150)  
}
```

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(55, 192, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 192, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.535, 166.894 is called "border". The border property can be set on classes, ids or directly on the HTML element.

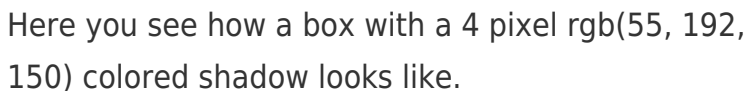
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(55, 192, 150) }
```

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

```
.border{ border-color:rgb(55, 192, 150) }
```

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



Here you see how a box with a 4 pixel `rgb(55, 192, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(55, 192, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(55, 192, 150); box-shadow:4px 4px 4px 4px rgb(55, 192, 150) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.535, 166.894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 192, 150) }
```

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

```
.background{ background-color: rgb(55, 192,  
150) }
```

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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