

Converting Colors

CIELCh(70, 49.480, 168.040)

Have a look what the booklet for
CIELCh(70, 49.480, 168.040)
contains.

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Color

CIELCh(70, 49.492, 168.000)

Conversions

Conversions Part 1

Format	Color
Hex	27C197
RGB	39, 193, 151
RGB Percent	15%, 76%, 59%
CMY	0.8478, 0.2436, 0.4082
CMYK	0.80, 0.00, 0.22, 0.24
HSL	164°, 67%, 45%
HSV	164°, 80%, 76%
XYZ	25.4522, 40.7494, 35.7581
YIQ	142.1660, -78.3020, -45.7100

Conversions

Conversions Part 2

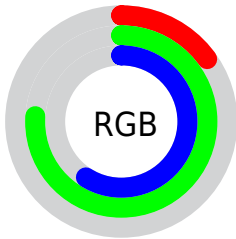
Format	Color
RYB	39, 128, 193
Decimal	2605463
CIELab	70.00, -48.41, 10.29
CIElCh	70, 49.492, 168.000
Yxy	40.7494, 0.2496, 0.3997
Android (android.graphics.Color)	4280795543 (0xFF27C197)
YUV	142.1660, 4.3552, -90.4766
Hunter-Lab	63.8353, -40.5408, 11.4727

Details

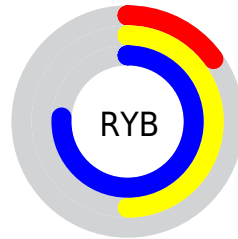
The CIELCh color **70, 49.492, 168.000** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **43, 62.975, 13.726**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 49.373, 168.016**, and **51, 43.015, 164.419** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.720, 166.103**, and if you desaturate by 10%, it is **70, 45.471, 169.704**.

Distribution



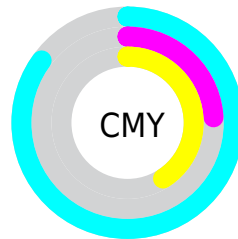
- Red (15%)
- Green (76%)
- Blue (59%)



- Red (15%)
- Yellow (50%)
- Blue (76%)



- Cyan (80%)
- Magenta (0%)
- Yellow (22%)
- Black (24%)




- Cyan (85%)
- Magenta (24%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 49.492, 168.000 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, 49.492, 168.000 by changing the saturation by 10% instead.

 70, 49.492,
168.000

 70, 49.492,
168.000


 100, 49.492,
168.000


 60, 49.492,
168.000


 90, 49.492,
168.000

 50, 49.492,
168.000

 40, 49.492,
168.000

 30, 49.492,
168.000

 20, 49.492,
168.000

 10, 49.492,
168.000

 0, 49.492, 168.000

70, 49.492,
168.000

70, 49.492,
168.000

70, 52.720,
166.103

70, 45.471,
169.704

69, 55.327,
164.066

71, 40.650,
171.232

69, 55.357,
164.042

72, 35.081,
172.606

73, 28.861,
173.851

74, 22.109,
174.990

75, 14.952,
176.046

76, 7.514, 177.050

78, 0.097, 352.987

Harmonies

Complementary

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



70, 49.492, 168.000



43, 62.975, 13.726

Rectangle

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



70, 49.492, 168.000



70, 49.492, 218.000



70, 49.492, 348.000



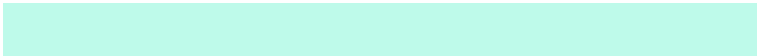
70, 49.492, 38.000

Sweetspot

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



70, 49.492, 167.999



94, 22.126, 175.580



70, 84.573, 132.654



50, 15.105, 175.198



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, 49.492, 167.999



88, 66.455, 164.530



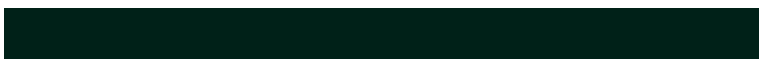
61, 33.470, 231.957



40, 4.330, 177.101



59, 48.116, 164.355



10, 15.278, 170.053

Inverse Universe

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



43, 62.975, 13.726



53, 86.314, 22.489



47, 64.175, 43.273



38, 4.459, 358.715



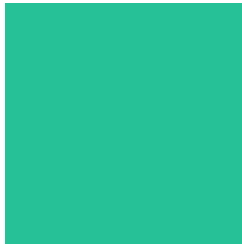
33, 62.693, 22.880



3, 14.513, 4.867

Previews

White Background



This preview shows how the CIELCh color 70, 49.492, 168.000 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, 49.492, 168.000 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

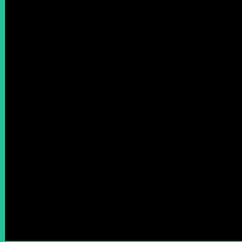
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 49.492, 168.000

Background



This preview shows how black text looks on a background with the CIELCh color 70, 49.492, 168.000.

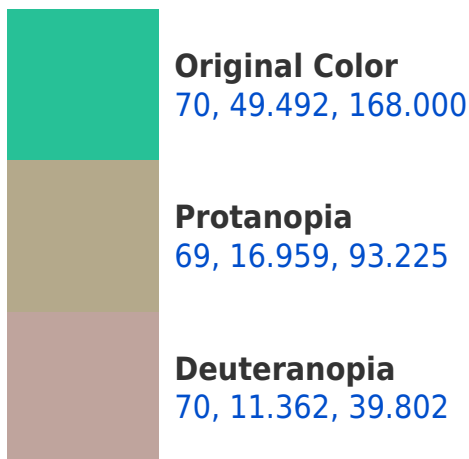


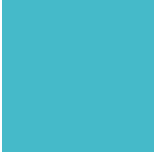
This preview shows how white text looks on a background with the CIELCh color 70, 49.492, 168.000.

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





Tritanopia
70, 32.626, 211.847

Trichromacy



Original Color
70, 49.492, 168.000



Protanomaly
68, 26.763, 151.582



Deuteranomaly
68, 18.332, 161.042



Tritanomaly
70, 36.683, 191.397

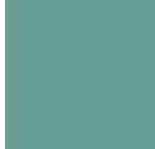
Monochromacy



Original Color
70, 49.492, 168.000



Achromatopsia
59, 0.008, 296.813



Achromatomaly
62, 22.505, 173.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 49.492, 168.000 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(39, 193, 151)` looks like.

```
.text, #text, p{  
    color:rgb(39, 193, 151)  
}
```

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(39, 193, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 193, 151) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 49.492, 168.000 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(39, 193, 151) }
```

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

```
.border{ border-color:rgb(39, 193, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 193, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 193, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 193, 151);  
box-shadow:4px 4px 4px 4px rgb(39, 193,  
151) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 49.492, 168.000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 193, 151) }
```

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

```
.background{ background-color: rgb(39, 193,  
151) }
```

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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