

Converting Colors

CIELCh(70, 48.185, 165.080)

Have a look what the booklet for
CIELCh(70, 48.185, 165.080)
contains.

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Color

CIELCh(70, 48.185, 165.080)

Conversions

Conversions Part 1

Format	Color
Hex	3AC093
RGB	58, 192, 147
RGB Percent	23%, 75%, 58%
CMY	0.7721, 0.2467, 0.4232
CMYK	0.70, 0.00, 0.23, 0.25
HSL	160°, 54%, 49%
HSV	160°, 70%, 75%
XYZ	25.8930, 40.7494, 34.1380
YIQ	146.8040, -65.4190, -42.4030

Conversions

Conversions Part 2

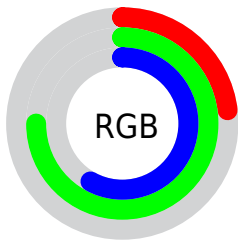
Format	Color
RYB	58, 139, 192
Decimal	3850387
CIELab	70.00, -46.56, 12.41
CIELCh	70, 48.185, 165.080
Yxy	40.7494, 0.2569, 0.4043
Android (android.graphics.Color)	4282040467 (0xFF3AC093)
YUV	146.8040, 0.0966, -77.8811
Hunter-Lab	63.8353, -39.3081, 12.9775

Details

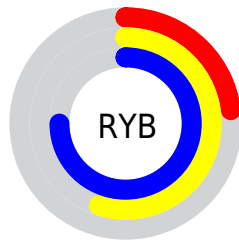
The CIELCh color **70, 48.185, 165.080** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle muted spring green. A complement of this color would be **46, 56.609, 4.875**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 48.013, 165.115**, and **50, 44.066, 162.491** is the 20% darker color. If you saturate the color by 10%, you get **70, 52.747, 163.271**, and if you desaturate by 10%, it is **71, 42.843, 166.694**.

Distribution



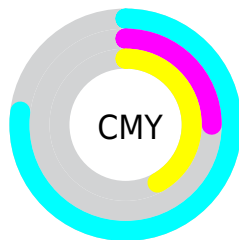
- Red (23%)
- Green (75%)
- Blue (58%)



- Red (23%)
- Yellow (55%)
- Blue (75%)



- Cyan (70%)
- Magenta (0%)
- Yellow (23%)
- Black (25%)





- Cyan (77%)
- Magenta (25%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.185, 165.080 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, 48.185, 165.080 by changing the saturation by 10% instead.


 70, 48.185,
165.080


 70, 48.185,
165.080


 100, 48.185,
165.080


 60, 48.185,
165.080


 90, 48.185,
165.080

 50, 48.185,
165.080

 40, 48.185,
165.080

 30, 48.185,
165.080

 20, 48.185,
165.080

 10, 48.185,
165.080

 0, 48.185, 165.080

■ 70, 48.185,
165.080

■ 70, 48.185,
165.080

■ 70, 52.747,
163.271

■ 71, 42.843,
166.694

■ 69, 56.527,
161.260

■ 71, 36.782,
168.136

■ 69, 59.684,
159.106

■ 72, 30.107,
169.432

■ 69, 59.763,
159.052

■ 73, 22.944,
170.605

■ 75, 15.424,
171.679

■ 76, 7.671, 172.688

■ 78, 0.207, 351.360

■ 80, 8.119, 354.333

■ 81, 15.992,
355.160

Harmonies

Complementary

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



70, 48.185, 165.080



46, 56.609, 4.875

Rectangle

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



70, 48.185, 165.080



70, 48.185, 215.080



70, 48.185, 345.080



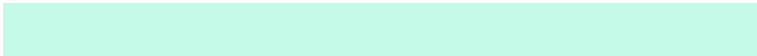
70, 48.185, 35.080

Sweetspot

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



70, 48.185, 165.079



94, 20.278, 171.514



70, 75.068, 131.024



50, 13.678, 171.220



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, 48.185, 165.079



88, 66.976, 162.170



65, 31.751, 217.992



40, 4.496, 172.726



58, 52.066, 159.376



10, 16.162, 165.379

Inverse Universe

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



46, 56.609, 4.875



55, 79.008, 10.679



48, 56.501, 38.052



38, 4.604, 354.334



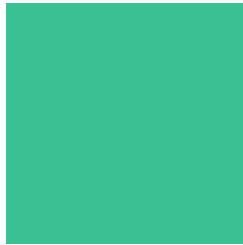
34, 60.961, 17.146



3, 14.764, 1.641

Previews

White Background



This preview shows how the CIELCh color 70, 48.185, 165.080 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, 48.185, 165.080 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, 48.185, 165.080

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.185, 165.080.

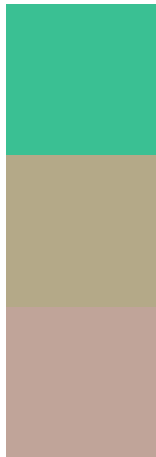


This preview shows how white text looks on a background with the CIELCh color 70, 48.185, 165.080.

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, 48.185, 165.080

Protanopia

69, 18.541, 94.307

Deuteranopia

70, 12.733, 48.215



Tritanopia
70, 30.432, 213.092

Trichromacy



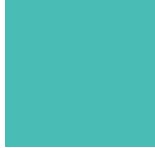
Original Color
70, 48.185, 165.080



Protanomaly
68, 25.734, 145.646



Deuteranomaly
68, 17.357, 151.395



Tritanomaly
70, 34.263, 190.265

Monochromacy



Original Color
70, 48.185, 165.080



Achromatopsia
61, 0.008, 296.813



Achromatomaly
63, 19.853, 170.851

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.185, 165.080 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(58, 192, 147)` looks like.

```
.text, #text, p{  
    color:rgb(58, 192, 147)  
}
```

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(58, 192, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 192, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.185, 165.080 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(58, 192, 147) }
```

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

```
.border{ border-color:rgb(58, 192, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 192, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 192, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 192, 147);  
box-shadow:4px 4px 4px 4px rgb(58, 192,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.185, 165.080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 192, 147) }
```

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

```
.background{ background-color: rgb(58, 192,  
147) }
```

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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