

# Converting Colors

CIELCh(70, 4.665, 196.556)

Have a look what the booklet for  
CIELCh(70, 4.665, 196.556) contains.

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# Color

**CIELCh(70, 4.843, 192.598)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A1AEAD
RGB	161, 174, 173
RGB Percent	63%, 68%, 68%
CMY	0.3695, 0.3185, 0.3224
CMYK	0.07, 0.00, 0.01, 0.32
HSL	175°, 7%, 66%
HSV	175°, 7%, 68%
XYZ	37.2684, 40.7494, 45.3242
YIQ	169.9990, -7.4270, -3.0670

# Conversions

## Conversions Part 2

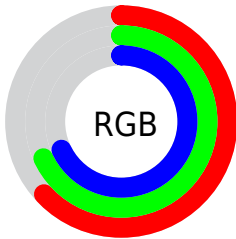
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 168, 174
Decimal	10596013
CIE <sub>Lab</sub>	70.00, -4.73, -1.06
CIE <sub>LCh</sub>	70, 4.843, 192.598
Yxy	40.7494, 0.3022, 0.3304
Android (android.graphics.Color)	4288786093 (0xFFA1AEAD)
YUV	169.9990, 1.4795, -7.8921
Hunter-Lab	63.8353, -7.4996, 2.5877

# Details

The CIELCh color **70, 4.843, 192.598** is a light color, and the websafe version is hex **999999**. A complement of this color would be **67, 5.041, 13.502**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **90, 4.615, 192.748**, and **50, 5.137, 192.366** is the 20% darker color. If you saturate the color by 10%, you get **69, 11.073, 191.809**, and if you desaturate by 10%, it is **71, 1.662, 12.905**.

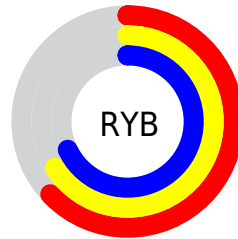
# Distribution



Red (63%)

Green (68%)

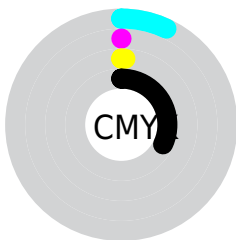
Blue (68%)



Red (63%)

Yellow (66%)

Blue (68%)

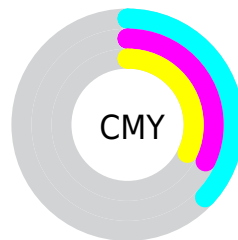


Cyan (7%)

Magenta (0%)

Yellow (1%)

Black (32%)



Cyan (37%)

Magenta (32%)

Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 4.843, 192.598 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, 4.843, 192.598 by changing the saturation by 10% instead.



■ 70, 4.843, 192.598

■ 70, 4.843, 192.598

■ 100, 4.843,  
192.598

■ 60, 4.843, 192.598

■ 90, 4.843, 192.598

■ 50, 4.843, 192.598

■ 40, 4.843, 192.598

■ 30, 4.843, 192.598

■ 20, 4.843, 192.598

■ 10, 4.843, 192.598

■ 0, 4.843, 192.598

■ 70, 4.843, 192.598

■ 70, 4.843, 192.598

■ 69, 11.073,

■ 71, 1.662, 12.905

191.809

73, 8.358, 13.855

68, 16.927,  
191.077

75, 15.170, 14.594

67, 22.301,  
190.351

76, 22.039, 15.311

66, 27.089,  
189.622

78, 28.917, 16.016

65, 31.197,  
188.881

79, 31.793, 14.309

65, 34.553,  
188.117

79, 31.804, 13.042

64, 37.119,  
187.316

79, 31.831, 11.776

64, 38.906,  
186.462

64, 40.016,  
185.547



# Harmonies

# Complementary

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



70, 4.843, 192.598



67, 5.041, 13.502

# Rectangle

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



70, 4.843, 192.598



70, 4.843, 242.598



70, 4.843, 12.598



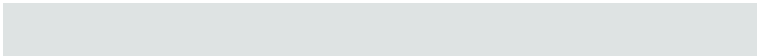
70, 4.843, 62.598

# Sweetspot

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



70, 4.844, 192.582



90, 1.623, 193.237



70, 8.468, 141.824



48, 0.930, 193.266



96, 0.011, 296.813



48, 0.006, 296.813





# Same Dimension

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



70, 4.844, 192.582



89, 7.217, 192.443



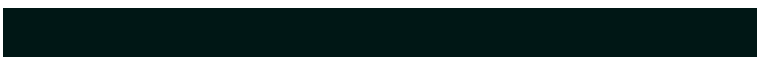
69, 4.047, 246.829



36, 3.646, 192.432



56, 36.173, 185.435



6, 7.919, 190.267



# Inverse Universe

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



67, 5.041, 13.502



85, 7.578, 13.661



69, 4.152, 65.023



34, 3.831, 13.674



31, 67.222, 36.254



2, 7.844, 14.185



# Previews

## White Background



This preview shows how the CIELCh color 70, 4.843, 192.598 looks on a white background.

## Color Contrast Check

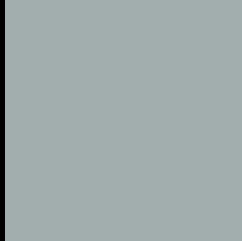
Large Text (above 18pt) WCAG AA × Fail

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, 4.843, 192.598 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

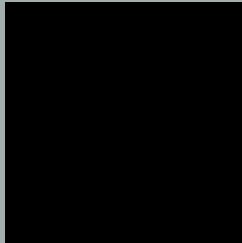
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

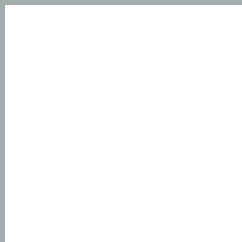
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 70, 4.843, 192.598

## Background



This preview shows how black text looks on a background with the CIELCh color 70, 4.843, 192.598.



This preview shows how white text looks on a background with the CIELCh color 70, 4.843, 192.598.

# 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, 4.843, 192.598

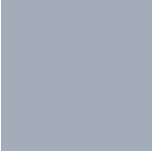
**Protanopia**

70, 1.615, 359.449

**Deuteranopia**

70, 8.779, 350.342





**Tritanopia**  
70, 7.754, 266.221

# Trichromacy



**Original Color**  
70, 4.843, 192.598

**Protanomaly**  
70, 0.924, 236.305

**Deuteranomaly**  
70, 4.094, 337.729

**Tritanomaly**  
70, 5.861, 247.710

# Monochromacy



**Original Color**  
70, 4.843, 192.598

**Achromatopsia**  
70, 0.009, 296.813

**Achromatomaly**  
70, 1.495, 199.606

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 70, 4.843, 192.598 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(161, 174, 173)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 173)  
}
```

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(161, 174, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 70, 4.843, 192.598 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(161, 174, 173) }
```

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

```
.border{ border-color:rgb(161, 174, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 174, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 173);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 70, 4.843, 192.598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 174, 173) }
```

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

```
.background{ background-color: rgb(161,  
174, 173) }
```

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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