

Converting Colors

CIELCh(70, 61.154, 106.144)

Have a look what the booklet for
CIELCh(70, 61.154, 106.144)
contains.

CIELCh(70, 61.550, 106.506)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(70, 61.550, 106.506)

Conversions

Conversions Part 1

Format	Color
Hex	ACB237
RGB	172, 178, 55
RGB Percent	67%, 70%, 22%
CMY	0.3266, 0.3030, 0.7854
CMYK	0.03, 0.00, 0.69, 0.30
HSL	63°, 53%, 46%
HSV	63°, 69%, 70%
XYZ	33.5042, 40.7494, 9.6800
YIQ	162.1840, 35.9070, -39.5250

Conversions

Conversions Part 2

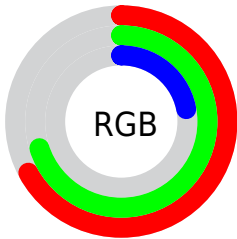
Format	Color
RYB	55, 178, 61
Decimal	11317815
CIELab	70.00, -17.49, 59.01
CIELCh	70, 61.550, 106.506
Yxy	40.7494, 0.3992, 0.4855
Android (android.graphics.Color)	4289507895 (0xFFACB237)
YUV	162.1840, -52.8417, 8.6086
Hunter-Lab	63.8353, -18.0253, 35.6939

Details

The CIELCh color **70, 61.550, 106.506** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **32, 76.148, 302.245**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 61.855, 106.658**, and **50, 57.728, 107.570** is the 20% darker color. If you saturate the color by 10%, you get **70, 67.458, 106.071**, and if you desaturate by 10%, it is **70, 54.261, 107.121**.

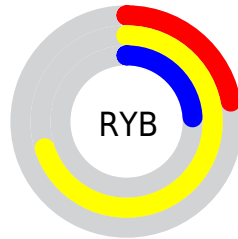
Distribution



Red (67%)

Green (70%)

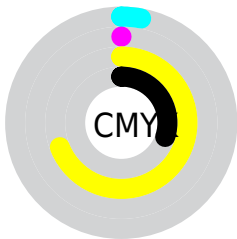
Blue (22%)



Red (22%)

Yellow (70%)

Blue (24%)

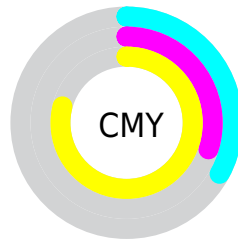


Cyan (3%)

Magenta (0%)

Yellow (69%)

Black (30%)



Cyan (33%)


Magenta (30%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 61.550, 106.506 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, 61.550, 106.506 by changing the saturation by 10% instead.


 70, 61.550,
106.506


 70, 61.550,
106.506


 100, 61.550,
106.506


 60, 61.550,
106.506


 90, 61.550,
106.506

 50, 61.550,
106.506

 40, 61.550,
106.506

 30, 61.550,
106.506

 20, 61.550,
106.506

 10, 61.550,
106.506

 0, 61.550, 106.506

■ 70, 61.550,
106.506

■ 70, 61.550,
106.506

■ 70, 67.458,
106.071

■ 70, 54.261,
107.121

■ 70, 71.559,
105.858

■ 70, 46.019,
107.857

■ 70, 73.890,
105.862

■ 71, 37.162,
108.672

■ 70, 74.057,
105.864

■ 71, 27.924,
109.534

■ 72, 18.460,
110.416

■ 72, 8.872, 111.297

■ 73, 0.775, 292.227

■ 73, 10.436,
293.025

■ 74, 20.081,
293.840

Harmonies

Complementary

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



70, 61.550, 106.506



32, 76.148, 302.245

Rectangle

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



70, 61.550, 106.506



70, 61.550, 156.506



70, 61.550, 286.506



70, 61.550, 336.506

Sweetspot

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



70, 61.550, 106.508



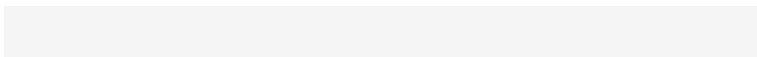
91, 25.046, 110.225



42, 56.213, 31.479



49, 17.067, 109.984



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 61.550, 106.508



89, 85.275, 105.929



66, 67.771, 127.449



38, 5.476, 111.287



61, 66.306, 105.829



8, 13.332, 113.053

Inverse Universe

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



32, 76.148, 302.245



34, 112.373, 304.877



38, 74.399, 313.327



34, 5.596, 292.976



17, 91.119, 306.468



1, 13.326, 291.665

Previews

White Background



This preview shows how the CIELCh color 70, 61.550, 106.506 looks on a white background.

Color Contrast Check

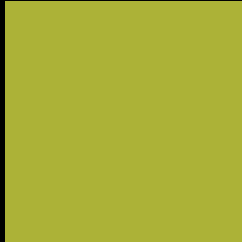
Large Text (above 18pt) WCAG AA × Fail

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, 61.550, 106.506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

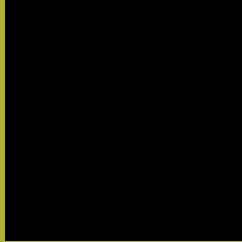
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 61.550, 106.506

Background



This preview shows how black text looks on a background with the CIELCh color 70, 61.550, 106.506.



This preview shows how white text looks on a background with the CIELCh color 70, 61.550, 106.506.

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, 61.550, 106.506

Protanopia
70, 60.296, 95.465

Deuteranopia
70, 58.545, 81.186



Tritanopia
70, 9.591, 332.351

Trichromacy



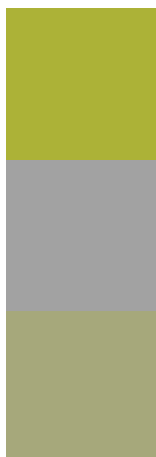
Original Color
70, 61.550, 106.506

Protanomaly
70, 60.152, 99.369

Deuteranomaly
70, 58.189, 90.839

Tritanomaly
70, 19.932, 97.517

Monochromacy



Original Color
70, 61.550, 106.506

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 24.495, 109.562

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 61.550, 106.506 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(172, 178, 55)` looks like.

```
.text, #text, p{  
    color:rgb(172, 178, 55)  
}
```

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(172, 178, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 178, 55) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 61.550, 106.506 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(172, 178, 55) }
```

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

```
.border{ border-color:rgb(172, 178, 55) }
```

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

Here you see how a box with a 4 pixel rgb(172, 178, 55) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 178, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 178, 55);  
box-shadow:4px 4px 4px 4px rgb(172, 178,  
55) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 61.550, 106.506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 178, 55) }
```

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

```
.background{ background-color: rgb(172,  
178, 55) }
```

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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