

Converting Colors

CIELCh(70, 50.199, 106.297)

Have a look what the booklet for
CIELCh(70, 50.199, 106.297)
contains.

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Color

CIELCh(70, 50.081, 106.115)

Conversions

Conversions Part 1

Format	Color
Hex	AEB050
RGB	174, 176, 80
RGB Percent	68%, 69%, 31%
CMY	0.3167, 0.3089, 0.6854
CMYK	0.01, 0.00, 0.54, 0.31
HSL	61°, 38%, 50%
HSV	61°, 54%, 69%
XYZ	34.5352, 40.7494, 13.6769
YIQ	164.4580, 29.6240, -30.2800

Conversions

Conversions Part 2

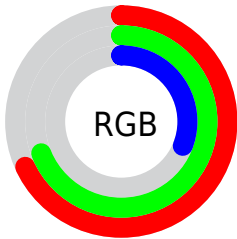
Format	Color
RYB	80, 176, 82
Decimal	11448400
CIELab	70.00, -13.90, 48.11
CIELCh	70, 50.081, 106.115
Yxy	40.7494, 0.3882, 0.4581
Android (android.graphics.Color)	4289638480 (0xFFAEB050)
YUV	164.4580, -41.6378, 8.3683
Hunter-Lab	63.8353, -15.1423, 31.9816

Details

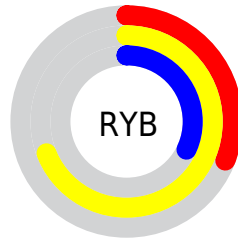
The CIELCh color **70, 50.081, 106.115** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 58.376, 298.750**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 49.969, 106.057**, and **50, 50.121, 106.391** is the 20% darker color. If you saturate the color by 10%, you get **70, 57.811, 105.389**, and if you desaturate by 10%, it is **70, 41.578, 106.941**.

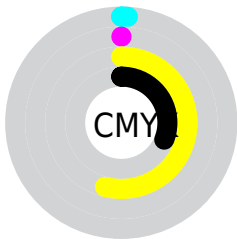
Distribution



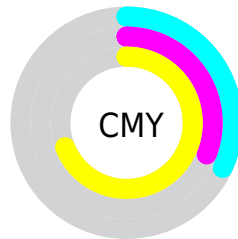
- Red (68%)
- Green (69%)
- Blue (31%)



- Red (31%)
- Yellow (69%)
- Blue (32%)



- Cyan (1%)
- Magenta (0%)
- Yellow (54%)
- Black (31%)





- Cyan (32%)
- Magenta (31%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 50.081, 106.115 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, 50.081, 106.115 by changing the saturation by 10% instead.


 70, 50.081,
106.115


 70, 50.081,
106.115


 100, 50.081,
106.115


 60, 50.081,
106.115


 90, 50.081,
106.115

 50, 50.081,
106.115

 40, 50.081,
106.115

 30, 50.081,
106.115

 20, 50.081,
106.115

 10, 50.081,
106.115

 0, 50.081, 106.115

70, 50.081,
106.115

70, 50.081,
106.115

70, 57.811,
105.389

70, 41.578,
106.941

70, 64.376,
104.797

71, 32.584,
107.824

70, 69.332,
104.387

71, 23.294,
108.739

69, 72.342,
104.190

71, 13.833,
109.664

69, 73.484,
104.136

72, 4.284, 110.577

72, 5.301, 291.503

73, 14.884,
292.375

73, 24.442,
293.219

■ 74, 33.957,
294.026

Harmonies

Complementary

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



70, 50.081, 106.115



39, 58.376, 298.750

Rectangle

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



70, 50.081, 106.115



70, 50.081, 156.115



70, 50.081, 286.115



70, 50.081, 336.115

Sweetspot

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



70, 50.082, 106.118



90, 18.935, 109.498



47, 43.019, 26.948



48, 12.762, 109.313



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, 50.082, 106.118



89, 71.864, 105.280



67, 54.493, 127.206



38, 5.472, 110.138



61, 66.212, 104.122



8, 13.306, 111.365

Inverse Universe

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



39, 58.376, 298.750



43, 87.903, 301.149



44, 58.839, 312.303



34, 5.592, 291.914



17, 91.274, 306.364



1, 13.319, 290.810

Previews

White Background



This preview shows how the CIELCh color 70, 50.081, 106.115 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, 50.081, 106.115 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

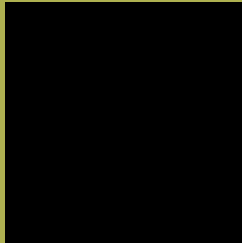
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 50.081, 106.115

Background



This preview shows how black text looks on a background with the CIELCh color 70, 50.081, 106.115.



This preview shows how white text looks on a background with the CIELCh color 70, 50.081, 106.115.

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, 50.081, 106.115

Protanopia
70, 49.170, 95.345

Deuteranopia
70, 47.986, 79.168



Tritanopia
70, 9.845, 334.019

Trichromacy



Original Color
70, 50.081, 106.115

Protanomaly
70, 49.500, 99.526

Deuteranomaly
70, 47.248, 89.111

Tritanomaly
70, 15.254, 93.360

Monochromacy



Original Color
70, 50.081, 106.115

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 19.082, 109.425

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 50.081, 106.115 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(174, 176, 80)` looks like.

```
.text, #text, p{  
    color:rgb(174, 176, 80)  
}
```

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(174, 176, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 176, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 50.081, 106.115 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(174, 176, 80) }
```

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

```
.border{ border-color:rgb(174, 176, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 176, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 176, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 176, 80);  
box-shadow:4px 4px 4px 4px rgb(174, 176,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 50.081, 106.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 176, 80) }
```

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

```
.background{ background-color: rgb(174,  
176, 80) }
```

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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