

Converting Colors

CIELCh(70, 48.641, 109.254)

Have a look what the booklet for
CIELCh(70, 48.641, 109.254)
contains.

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Color

CIELCh(70, 48.272, 108.919)

Conversions

Conversions Part 1

Format	Color
Hex	AAB155
RGB	170, 177, 85
RGB Percent	67%, 69%, 33%
CMY	0.3325, 0.3051, 0.6659
CMYK	0.04, 0.00, 0.52, 0.31
HSL	65°, 37%, 51%
HSV	65°, 52%, 69%
XYZ	34.0294, 40.7494, 14.7048
YIQ	164.4190, 25.3600, -30.0960

Conversions

Conversions Part 2

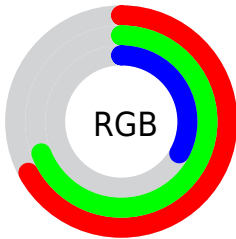
Format	Color
RYB	85, 177, 92
Decimal	11186517
CIELab	70.00, -15.65, 45.66
CIELCh	70, 48.272, 108.919
Yxy	40.7494, 0.3803, 0.4554
Android (android.graphics.Color)	4289376597 (0xFFAAB155)
YUV	164.4190, -39.1536, 4.8945
Hunter-Lab	63.8353, -16.5567, 31.0269

Details

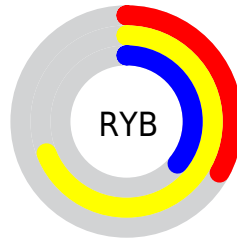
The CIELCh color $70, 48.272, 108.919$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $41, 55.586, 299.627$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $90, 48.541, 109.061$, and $50, 48.458, 108.947$ is the 20% darker color. If you saturate the color by 10%, you get $70, 56.290, 108.261$, and if you desaturate by 10%, it is $70, 39.565, 109.678$.

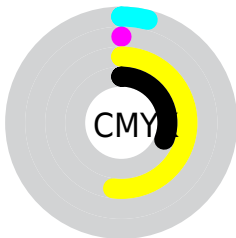
Distribution



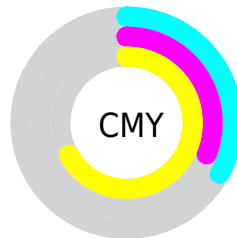
- Red (67%)
- Green (69%)
- Blue (33%)



- Red (33%)
- Yellow (69%)
- Blue (36%)



- Cyan (4%)
- Magenta (0%)
- Yellow (52%)
- Black (31%)





- Cyan (33%)
- Magenta (31%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.272, 108.919 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, 48.272, 108.919 by changing the saturation by 10% instead.


 70, 48.272,
108.919


 70, 48.272,
108.919


 100, 48.272,
108.919


 60, 48.272,
108.919


 90, 48.272,
108.919

 50, 48.272,
108.919

 40, 48.272,
108.919

 30, 48.272,
108.919

 20, 48.272,
108.919

 10, 48.272,
108.919

 0, 48.272, 108.919

70, 48.272,
108.919

70, 48.272,
108.919

70, 56.290,
108.261

70, 39.565,
109.678

69, 63.253,
107.748

71, 30.423,
110.490

69, 68.722,
107.441

71, 21.021,
111.329

69, 72.305,
107.393

72, 11.471,
112.173

69, 74.065,
107.509

72, 1.848, 112.994

73, 7.798, 293.829

73, 17.434,
294.612

74, 27.036,
295.362

■ 75, 36.585,
296.075

Harmonies

Complementary

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



70, 48.272, 108.919



41, 55.586, 299.627

Rectangle

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



70, 48.272, 108.919



70, 48.272, 158.919



70, 48.272, 288.919



70, 48.272, 338.919

Sweetspot

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



70, 48.273, 108.921



90, 18.970, 111.807



49, 39.366, 29.670



48, 12.786, 111.638



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, 48.273, 108.921



88, 69.327, 108.195



67, 53.113, 129.003



38, 5.482, 112.391



60, 66.460, 107.457



8, 13.364, 114.626

Inverse Universe

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



41, 55.586, 299.627



46, 83.354, 301.591



46, 56.550, 313.721



35, 5.601, 293.999



17, 90.969, 306.571



1, 13.335, 292.489

Previews

White Background



This preview shows how the CIELCh color 70, 48.272, 108.919 looks on a white background.

Color Contrast Check

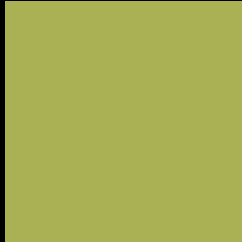
Large Text (above 18pt) WCAG AA × Fail

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, 48.272, 108.919 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

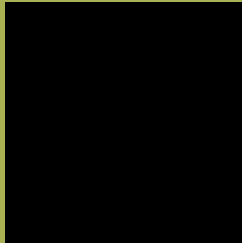
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 48.272, 108.919

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.272, 108.919.




This preview shows how white text looks on a background with the CIELCh color 70, 48.272, 108.919.

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, 8.657, 324.805

Trichromacy



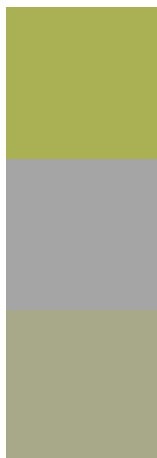
Original Color
70, 48.272, 108.919

Protanomaly
70, 47.052, 100.577

Deuteranomaly
70, 44.594, 89.643

Tritanomaly
70, 13.756, 100.453

Monochromacy



Original Color
70, 48.272, 108.919

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 18.018, 110.887

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.272, 108.919 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(170, 177, 85)` looks like.

```
.text, #text, p{  
    color:rgb(170, 177, 85)  
}
```

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(170, 177, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 177, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.272, 108.919 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(170, 177, 85) }
```

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

```
.border{ border-color:rgb(170, 177, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 177, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 177, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 177, 85);  
box-shadow:4px 4px 4px 4px rgb(170, 177,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.272, 108.919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 177, 85) }
```

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

```
.background{ background-color: rgb(170,  
177, 85) }
```

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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