

Converting Colors

CIELCh(70, 48.252, 103.729)

Have a look what the booklet for
CIELCh(70, 48.252, 103.729)
contains.

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Color

CIELCh(70, 48.252, 103.729)

Conversions

Conversions Part 1

Format	Color
Hex	B2AF53
RGB	178, 175, 83
RGB Percent	70%, 69%, 33%
CMY	0.3020, 0.3137, 0.6745
CMYK	0.00, 0.02, 0.53, 0.30
HSL	58°, 38%, 51%
HSV	58°, 53%, 70%
XYZ	35.2513, 40.7494, 14.1911
YIQ	165.4090, 31.3200, -27.9760

Conversions

Conversions Part 2

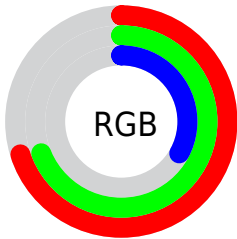
Format	Color
RYB	86, 178, 83
Decimal	11710291
CIELab	70.00, -11.45, 46.87
CIELCh	70, 48.252, 103.729
Yxy	40.7494, 0.3908, 0.4518
Android (android.graphics.Color)	4289900371 (0xFFB2AF53)
YUV	165.4090, -40.6276, 11.0423
Hunter-Lab	63.8353, -13.1399, 31.5041

Details

The CIELCh color **70, 48.252, 103.729** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **41, 55.590, 296.931**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 48.133, 103.780**, and **50, 48.206, 103.878** is the 20% darker color. If you saturate the color by 10%, you get **70, 56.014, 102.882**, and if you desaturate by 10%, it is **70, 39.791, 104.652**.

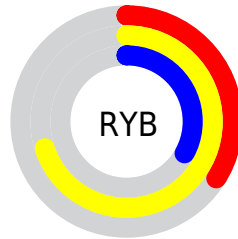
Distribution



Red (70%)

Green (69%)

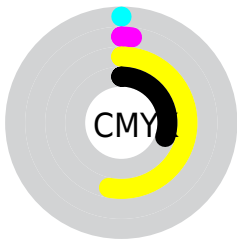
Blue (33%)



Red (34%)

Yellow (70%)

Blue (33%)

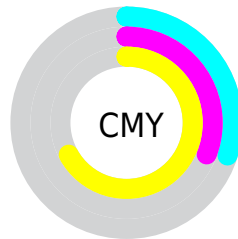


Cyan (0%)

Magenta (2%)

Yellow (53%)

Black (30%)



Cyan (30%)


Magenta (31%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 48.252, 103.729 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, 48.252, 103.729 by changing the saturation by 10% instead.

 70, 48.252,
103.729


 70, 48.252,
103.729


 100, 48.252,
103.729


 60, 48.252,
103.729


 90, 48.252,
103.729

 50, 48.252,
103.729

 40, 48.252,
103.729

 30, 48.252,
103.729

 20, 48.252,
103.729

 10, 48.252,
103.729

 0, 48.252, 103.729

70, 48.252,
103.729

70, 48.252,
103.729

70, 56.014,
102.882

70, 39.791,
104.652

69, 62.689,
102.136

71, 30.899,
105.616

69, 67.815,
101.526

71, 21.758,
106.601

69, 70.989,
101.074

72, 12.481,
107.587

69, 72.301,
100.836

72, 3.143, 108.548

73, 6.211, 289.539

74, 15.551,
290.460

74, 24.856,
291.350

■ 75, 34.111,
292.203

Harmonies

Complementary

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



70, 48.252, 103.729



41, 55.590, 296.931

Rectangle

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



70, 48.252, 103.729



70, 48.252, 153.729



70, 48.252, 283.729



70, 48.252, 333.729

Sweetspot

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



70, 48.253, 103.732



91, 18.521, 107.301



47, 42.408, 23.355



49, 12.599, 107.101



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, 48.253, 103.732



88, 69.832, 102.744



68, 53.179, 125.453



38, 5.301, 107.982



60, 64.685, 100.861



8, 12.674, 108.180

Inverse Universe

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



41, 55.590, 296.931



45, 84.424, 299.553



44, 57.933, 310.740



35, 5.410, 289.870



17, 89.821, 305.811



1, 12.992, 289.195

Previews

White Background



This preview shows how the CIELCh color 70, 48.252, 103.729 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, 48.252, 103.729 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, 48.252, 103.729

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.252, 103.729.



This preview shows how white text looks on a background with the CIELCh color 70, 48.252, 103.729.

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, 48.252, 103.729

Protanopia

70, 47.679, 95.749

Deuteranopia

70, 46.851, 79.248



Tritanopia
70, 11.239, 341.226

Trichromacy



Original Color
70, 48.252, 103.729

Protanomaly
70, 47.761, 98.434

Deuteranomaly
70, 46.016, 88.230

Tritanomaly
70, 15.436, 85.590

Monochromacy



Original Color
70, 48.252, 103.729

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 18.536, 107.011

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.252, 103.729 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(178, 175, 83)` looks like.

```
.text, #text, p{  
    color:rgb(178, 175, 83)  
}
```

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(178, 175, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 175, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.252, 103.729 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(178, 175, 83) }
```

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

```
.border{ border-color:rgb(178, 175, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 175, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 175, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 175, 83);  
box-shadow:4px 4px 4px 4px rgb(178, 175,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.252, 103.729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 175, 83) }
```

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

```
.background{ background-color: rgb(178,  
175, 83) }
```

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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