

Converting Colors

CIELCh(70, 47.899, 100.055)

Have a look what the booklet for
CIELCh(70, 47.899, 100.055)
contains.

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Color

CIELCh(70, 47.572, 100.044)

Conversions

Conversions Part 1

Format	Color
Hex	B7AD53
RGB	183, 173, 83
RGB Percent	72%, 68%, 33%
CMY	0.2810, 0.3203, 0.6733
CMYK	0.00, 0.05, 0.55, 0.28
HSL	54°, 41%, 52%
HSV	54°, 55%, 72%
XYZ	36.1882, 40.7494, 14.2039
YIQ	165.7300, 34.8500, -25.8700

Conversions

Conversions Part 2

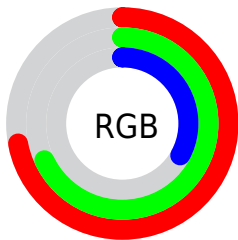
Format	Color
RYB	94, 183, 83
Decimal	12037459
CIELab	70.00, -8.30, 46.84
CIELCh	70, 47.572, 100.044
Yxy	40.7494, 0.3971, 0.4471
Android (android.graphics.Color)	4290227539 (0xFFB7AD53)
YUV	165.7300, -40.7859, 15.1458
Hunter-Lab	63.8353, -10.5200, 31.4922

Details

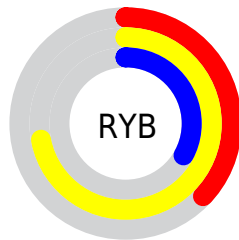
The CIELCh color **70, 47.572, 100.044** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **43, 53.905, 294.515**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 47.511, 99.834**, and **50, 47.528, 99.867** is the 20% darker color. If you saturate the color by 10%, you get **69, 55.156, 99.042**, and if you desaturate by 10%, it is **71, 39.334, 101.091**.

Distribution



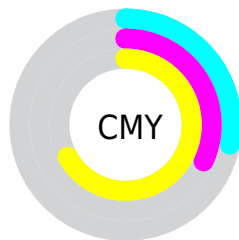
- Red (72%)
- Green (68%)
- Blue (33%)



- Red (37%)
- Yellow (72%)
- Blue (33%)



- Cyan (0%)
- Magenta (5%)
- Yellow (55%)
- Black (28%)





- Cyan (28%)
- Magenta (32%)
- Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 47.572, 100.044 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, 47.572, 100.044 by changing the saturation by 10% instead.


 70, 47.572,
100.044


 70, 47.572,
100.044


 100, 47.572,
100.044


 60, 47.572,
100.044


 90, 47.572,
100.044

 50, 47.572,
100.044

 40, 47.572,
100.044

 30, 47.572,
100.044

 20, 47.572,
100.044

 10, 47.572,
100.044

 0, 47.572, 100.044

70, 47.572,
100.044

70, 47.572,
100.044

69, 55.156, 99.042

71, 39.334,
101.091

69, 61.676, 98.095

71, 30.719,
102.156

68, 66.612, 97.219

68, 69.494, 96.412

72, 21.904,
103.225

67, 70.496, 95.992

73, 12.996,
104.284

74, 4.062, 105.310

75, 4.858, 286.369

76, 13.740,
287.335

77, 22.569,
288.273

■ 78, 31.337,
289.169

Harmonies

Complementary

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



70, 47.572, 100.044



43, 53.905, 294.515

Rectangle

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



70, 47.572, 100.044



70, 47.572, 150.044



70, 47.572, 280.044



70, 47.572, 330.044

Sweetspot

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



70, 47.573, 100.047



92, 17.603, 104.105



48, 43.586, 17.506



49, 11.980, 103.889



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



70, 47.573, 100.047



87, 68.176, 98.895



70, 54.415, 122.228



38, 5.060, 104.827



58, 62.487, 96.086



9, 13.146, 102.852

Inverse Universe

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



43, 53.905, 294.515



48, 80.839, 297.301



44, 60.481, 308.356



36, 5.148, 286.833



19, 87.491, 304.733



1, 14.250, 287.194

Previews

White Background



This preview shows how the CIELCh color 70, 47.572, 100.044 looks on a white background.

Color Contrast Check

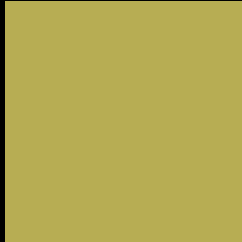
Large Text (above 18pt) WCAG AA × Fail

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, 47.572, 100.044 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, 47.572, 100.044

Background



This preview shows how black text looks on a background with the CIELCh color 70, 47.572, 100.044.



This preview shows how white text looks on a background with the CIELCh color 70, 47.572, 100.044.

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, 47.572, 100.044

Protanopia

70, 47.206, 95.710

Deuteranopia

70, 46.851, 79.248



Tritanopia
70, 13.112, 347.859

Trichromacy



Original Color
70, 47.572, 100.044

Protanomaly
70, 47.418, 97.360

Deuteranomaly
70, 46.324, 87.188

Tritanomaly
70, 16.379, 75.646

Monochromacy



Original Color
70, 47.572, 100.044

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 18.027, 104.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 47.572, 100.044 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(183, 173, 83)` looks like.

```
.text, #text, p{  
    color:rgb(183, 173, 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(183, 173, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 173, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 47.572, 100.044 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(183, 173, 83) }
```

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

```
.border{ border-color:rgb(183, 173, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 173, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 173, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 173, 83);  
box-shadow:4px 4px 4px 4px rgb(183, 173,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 47.572, 100.044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 173, 83) }
```

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

```
.background{ background-color: rgb(183,  
173, 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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