

Converting Colors

CIELCh(70, 48.745, 97.660)

Have a look what the booklet for
CIELCh(70, 48.745, 97.660) contains.

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Color

CIELCh(70, 48.831, 97.427)

Conversions

Conversions Part 1

Format	Color
Hex	BBAC50
RGB	187, 172, 80
RGB Percent	73%, 67%, 31%
CMY	0.2659, 0.3247, 0.6856
CMYK	0.00, 0.08, 0.57, 0.27
HSL	52°, 44%, 52%
HSV	52°, 57%, 73%
XYZ	36.7861, 40.7494, 13.5511
YIQ	165.9970, 38.4720, -25.4320

Conversions

Conversions Part 2

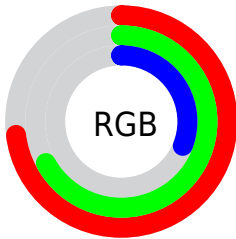
Format	Color
R_{YB}	97, 187, 80
Decimal	12299344
CIE Lab	70.00, -6.31, 48.42
CIE LCh	70, 48.831, 97.427
Yxy	40.7494, 0.4039, 0.4474
Android (android.graphics.Color)	4290489424 (0xFFBBAC50)
YUV	165.9970, -42.3965, 18.4196
Hunter-Lab	63.8353, -8.8483, 32.0985

Details

The CIELCh color **70, 48.831, 97.427** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **44, 54.976, 293.384**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 48.801, 97.443**, and **50, 48.806, 97.505** is the 20% darker color. If you saturate the color by 10%, you get **69, 56.198, 96.331**, and if you desaturate by 10%, it is **71, 40.772, 98.549**.

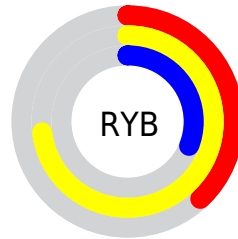
Distribution



Red (73%)

Green (67%)

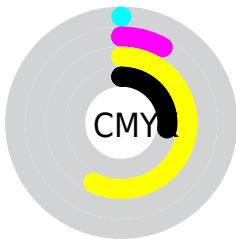
Blue (31%)



Red (38%)

Yellow (73%)

Blue (31%)

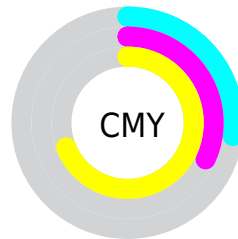


Cyan (0%)

Magenta (8%)

Yellow (57%)

Black (27%)



Cyan (27%)

Magenta (32%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 70, 48.831, 97.427 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, 48.831, 97.427 by changing the saturation by 10% instead.

■ 70, 48.831, 97.427

■ 70, 48.831, 97.427

■ 100, 48.831,
97.427

■ 60, 48.831, 97.427

■ 90, 48.831, 97.427

■ 50, 48.831, 97.427

■ 40, 48.831, 97.427

■ 30, 48.831, 97.427

■ 20, 48.831, 97.427

■ 10, 48.831, 97.427

■ 0, 48.831, 97.427

■ 70, 48.831, 97.427

■ 70, 48.831, 97.427

■ 69, 56.198, 96.331

■ 71, 40.772, 98.549

68, 62.418, 95.260

72, 32.327, 99.677

68, 66.923, 94.210

73, 23.686,
100.802

67, 69.325, 93.158

74, 14.965,
101.912

67, 69.852, 92.862

75, 6.234, 102.990

76, 2.470, 284.116

78, 11.123,
285.099

79, 19.713,
286.074

80, 28.231,
287.008

Harmonies

Complementary

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



70, 48.831, 97.427



44, 54.976, 293.384

Rectangle

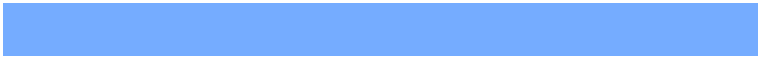
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70, 48.831, 97.427



70, 48.831, 147.427



70, 48.831, 277.427



70, 48.831, 327.427

Sweetspot

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



70, 48.832, 97.430



93, 18.273, 101.900



49, 46.317, 15.664



50, 12.324, 101.678



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



70, 48.832, 97.430



87, 70.588, 96.013



71, 57.253, 120.797



39, 4.965, 102.758



57, 61.709, 93.004



9, 14.037, 98.768

Inverse Universe

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



44, 54.976, 293.384



48, 83.697, 296.738



43, 64.507, 307.605



37, 5.040, 284.842



20, 85.936, 303.874



2, 15.690, 286.391

Previews

White Background



This preview shows how the CIELCh color 70, 48.831, 97.427 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, 48.831, 97.427 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, 48.831, 97.427

Background



This preview shows how black text looks on a background with the CIELCh color 70, 48.831, 97.427.



This preview shows how white text looks on a background with the CIELCh color 70, 48.831, 97.427.

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, 48.831, 97.427

Protanopia

70, 48.704, 95.307

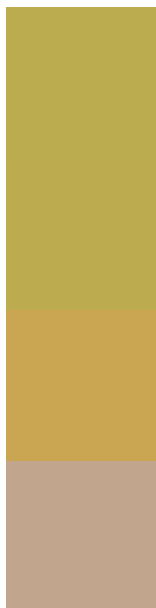
Deuteranopia

70, 48.439, 79.356



Tritanopia
70, 14.777, 352.148

Trichromacy



Original Color
70, 48.831, 97.427

Protanomaly
70, 48.619, 95.821

Deuteranomaly
70, 47.789, 85.879

Tritanomaly
70, 17.652, 70.062

Monochromacy



Original Color
70, 48.831, 97.427

Achromatopsia
68, 0.008, 296.813

Achromatomaly
69, 18.168, 100.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 48.831, 97.427 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(187, 172, 80)` looks like.

```
.text, #text, p{  
    color:rgb(187, 172, 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(187, 172, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 172, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 48.831, 97.427 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(187, 172, 80) }
```

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

```
.border{ border-color:rgb(187, 172, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 172, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 172, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 172, 80);  
box-shadow:4px 4px 4px 4px rgb(187, 172,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 48.831, 97.427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 172, 80) }
```

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

```
.background{ background-color: rgb(187,  
172, 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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