

Converting Colors

CIELCh(69, 47.928, 98.863)

Have a look what the booklet for
CIELCh(69, 47.928, 98.863) contains.

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Color

CIELCh(69, 47.757, 98.900)

Conversions

Conversions Part 1

Format	Color
Hex	B6AA50
RGB	182, 170, 80
RGB Percent	71%, 67%, 31%
CMY	0.2857, 0.3328, 0.6858
CMYK	0.00, 0.07, 0.56, 0.29
HSL	53°, 41%, 51%
HSV	53°, 56%, 71%
XYZ	35.1786, 39.3444, 13.3546
YIQ	163.3280, 36.0420, -25.4460

Conversions

Conversions Part 2

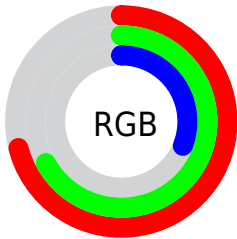
Format	Color
RYB	94, 182, 80
Decimal	11971152
CIELab	69.00, -7.39, 47.18
CIELCh	69, 47.757, 98.900
Yxy	39.3444, 0.4003, 0.4477
Android (android.graphics.Color)	4290161232 (0xFFB6AA50)
YUV	163.3280, -41.0807, 16.3753
Hunter-Lab	62.7251, -9.6595, 31.2843

Details

The CIELCh color **69, 47.757, 98.900** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **42, 54.029, 294.089**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 47.713, 98.792**, and **49, 47.894, 98.564** is the 20% darker color. If you saturate the color by 10%, you get **68, 55.129, 97.861**, and if you desaturate by 10%, it is **70, 39.716, 99.977**.

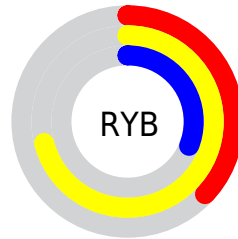
Distribution



Red (71%)

Green (67%)

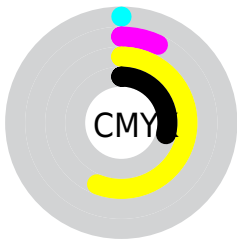
Blue (31%)



Red (37%)

Yellow (71%)

Blue (31%)

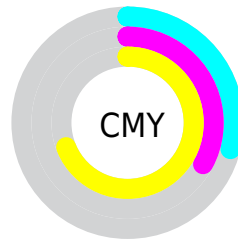


Cyan (0%)

Magenta (7%)

Yellow (56%)

Black (29%)



Cyan (29%)

Magenta (33%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.757, 98.900 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 69, 47.757, 98.900 by changing the saturation by 10% instead.

69, 47.757, 98.900

69, 47.757, 98.900

100, 47.757,
98.900

59, 47.757, 98.900

89, 47.757, 98.900

49, 47.757, 98.900

99, 47.757, 98.900

39, 47.757, 98.900

29, 47.757, 98.900

19, 47.757, 98.900

9, 47.757, 98.900

0, 47.757, 98.900

69, 47.757, 98.900

69, 47.757, 98.900

68, 55.129, 97.861

70, 39.716, 99.977

68, 61.404, 96.864

67, 66.052, 95.919

66, 68.637, 95.013

66, 69.383, 94.658

71, 31.293,
101.067

72, 22.671,
102.159

72, 13.960,
103.239

73, 5.229, 104.289

75, 3.485, 285.373

76, 12.156,
286.348

77, 20.771,
287.302

78, 29.322,
288.215

Harmonies

Complementary

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



69, 47.757, 98.900



42, 54.029, 294.089

Rectangle

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



69, 47.757, 98.900



69, 47.757, 148.900



69, 47.757, 278.900



69, 47.757, 328.900

Sweetspot

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



69, 47.758, 98.903



92, 18.375, 103.102



48, 44.445, 16.602



49, 12.390, 102.888



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



69, 47.758, 98.903



86, 68.939, 97.645



70, 55.200, 121.514



38, 4.969, 103.944



57, 61.804, 94.767



8, 12.812, 101.566

Inverse Universe

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



42, 54.029, 294.089



47, 81.854, 297.115



43, 61.777, 307.979



36, 5.051, 285.981



19, 86.393, 304.372



1, 14.055, 286.598

Previews

White Background



This preview shows how the CIELCh color 69, 47.757, 98.900 looks on a white background.

Color Contrast Check

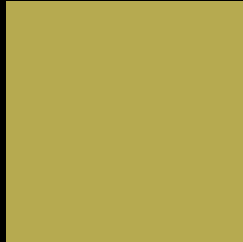
Large Text (above 18pt) WCAG AA × Fail

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 69, 47.757, 98.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

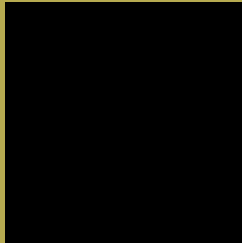
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 69, 47.757, 98.900

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.757, 98.900.



This preview shows how white text looks on a background with the CIELCh color 69, 47.757, 98.900.

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


69, 47.757, 98.900

Protanopia

69, 47.737, 95.683

Deuteranopia

69, 46.991, 79.127



Tritanopia
69, 13.806, 349.709

Trichromacy



Original Color
69, 47.757, 98.900

Protanomaly
69, 47.577, 96.737

Deuteranomaly
69, 46.599, 86.556

Tritanomaly
69, 16.922, 73.272

Monochromacy



Original Color
69, 47.757, 98.900

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 18.116, 103.127

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.757, 98.900 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(182, 170, 80)` looks like.

```
.text, #text, p{  
    color:rgb(182, 170, 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(182, 170, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 170, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.757, 98.900 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(182, 170, 80) }
```

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

```
.border{ border-color:rgb(182, 170, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 170, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 170, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 170, 80);  
box-shadow:4px 4px 4px 4px rgb(182, 170,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.757, 98.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 170, 80) }
```

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

```
.background{ background-color: rgb(182,  
170, 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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