

Converting Colors

CIELCh(69, 47.002, 94.504)

Have a look what the booklet for
CIELCh(69, 47.002, 94.504) contains.

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Color

CIELCh(69, 47.002, 94.504)

Conversions

Conversions Part 1

Format	Color
Hex	BCA851
RGB	188, 168, 81
RGB Percent	74%, 66%, 32%
CMY	0.2623, 0.3408, 0.6820
CMYK	0.00, 0.11, 0.57, 0.26
HSL	49°, 44%, 53%
HSV	49°, 57%, 74%
XYZ	36.2768, 39.3444, 13.4862
YIQ	164.0620, 39.8470, -22.8170

Conversions

Conversions Part 2

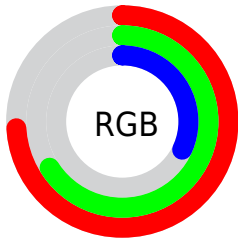
Format	Color
RYB	106, 188, 81
Decimal	12363857
CIELab	69.00, -3.69, 46.86
CIELCh	69, 47.002, 94.504
Yxy	39.3444, 0.4071, 0.4415
Android (android.graphics.Color)	4290553937 (0xFFBCA851)
YUV	164.0620, -40.9496, 20.9936
Hunter-Lab	62.7251, -6.5342, 31.1600

Details

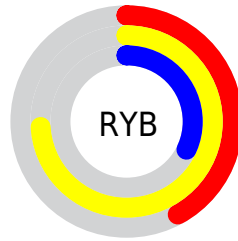
The CIELCh color **69, 47.002, 94.504** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **45, 51.724, 291.056**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **89, 46.942, 94.662**, and **49, 46.848, 94.368** is the 20% darker color. If you saturate the color by 10%, you get **68, 54.328, 93.288**, and if you desaturate by 10%, it is **70, 39.080, 95.720**.

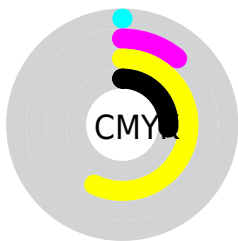
Distribution



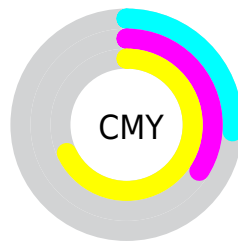
- Red (74%)
- Green (66%)
- Blue (32%)



- Red (42%)
- Yellow (74%)
- Blue (32%)



- Cyan (0%)
- Magenta (11%)
- Yellow (57%)
- Black (26%)



- Cyan (26%)
- Magenta (34%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 69, 47.002, 94.504 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, 47.002, 94.504 by changing the saturation by 10% instead.

69, 47.002, 94.504

69, 47.002, 94.504

100, 47.002,
94.504

59, 47.002, 94.504

89, 47.002, 94.504

49, 47.002, 94.504

99, 47.002, 94.504

39, 47.002, 94.504

29, 47.002, 94.504

19, 47.002, 94.504

9, 47.002, 94.504

0, 47.002, 94.504

69, 47.002, 94.504

69, 47.002, 94.504

68, 54.328, 93.288

70, 39.080, 95.720

67, 60.611, 92.054

71, 30.851, 96.923

66, 65.256, 90.778

73, 22.488, 98.110

65, 67.784, 89.411

74, 14.093, 99.272

65, 68.389, 88.981

75, 5.723, 100.392

77, 2.590, 281.571

78, 10.830,
282.587

80, 18.990,
283.594

81, 27.067,
284.557

Harmonies

Complementary

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



69, 47.002, 94.504



45, 51.724, 291.056

Rectangle

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



69, 47.002, 94.504



69, 47.002, 144.504



69, 47.002, 274.504



69, 47.002, 324.504

Sweetspot

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



69, 47.003, 94.507



94, 17.575, 99.227



49, 46.053, 11.765



49, 11.757, 98.996



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



69, 47.003, 94.507



86, 68.045, 93.015



72, 56.615, 118.723



39, 4.728, 100.122



55, 60.208, 89.189



9, 13.177, 94.868

Inverse Universe

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



45, 51.724, 291.056



51, 78.215, 294.355



43, 64.398, 306.201



37, 4.786, 282.292



21, 82.189, 302.554



2, 15.130, 284.763

Previews

White Background



This preview shows how the CIELCh color 69, 47.002, 94.504 looks on a white background.

Color Contrast Check

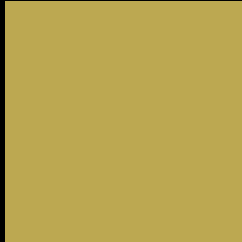
Large Text (above 18pt) WCAG AA × Fail

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, 47.002, 94.504 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, 47.002, 94.504

Background



This preview shows how black text looks on a background with the CIELCh color 69, 47.002, 94.504.



This preview shows how white text looks on a background with the CIELCh color 69, 47.002, 94.504.

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, 47.002, 94.504

Protanopia

69, 47.265, 95.644

Deuteranopia

69, 46.991, 79.127



Tritanopia
69, 16.220, 355.014

Trichromacy



Original Color
69, 47.002, 94.504

Protanomaly
69, 47.265, 95.644

Deuteranomaly
69, 46.685, 84.849

Tritanomaly
69, 18.454, 65.069

Monochromacy



Original Color
69, 47.002, 94.504

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 17.284, 97.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 69, 47.002, 94.504 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(188, 168, 81)` looks like.

```
.text, #text, p{  
    color:rgb(188, 168, 81)  
}
```

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(188, 168, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 168, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 69, 47.002, 94.504 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(188, 168, 81) }
```

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

```
.border{ border-color:rgb(188, 168, 81) }
```

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

Here you see how a box with a 4 pixel rgb(188, 168, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 168, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 168, 81);  
box-shadow:4px 4px 4px 4px rgb(188, 168,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 69, 47.002, 94.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 168, 81) }
```

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

```
.background{ background-color: rgb(188,  
168, 81) }
```

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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