

Converting Colors

CIELCh(64, 47.332, 93.043)

Have a look what the booklet for
CIELCh(64, 47.332, 93.043) contains.

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Color

CIELCh(64, 47.143, 92.858)

Conversions

Conversions Part 1

Format	Color
Hex	B09A44
RGB	176, 154, 68
RGB Percent	69%, 60%, 27%
CMY	0.3094, 0.3957, 0.7330
CMYK	0.00, 0.12, 0.61, 0.31
HSL	48°, 44%, 48%
HSV	48°, 61%, 69%
XYZ	30.5438, 32.8017, 10.2046
YIQ	150.7740, 40.7180, -22.0820

Conversions

Conversions Part 2

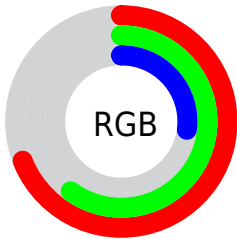
Format	Color
RYB	96, 176, 68
Decimal	11573828
CIELab	64.00, -2.35, 47.08
CIELCh	64, 47.143, 92.858
Yxy	32.8017, 0.4153, 0.4460
Android (android.graphics.Color)	4289763908 (0xFFB09A44)
YUV	150.7740, -40.8076, 22.1232
Hunter-Lab	57.2727, -5.0326, 29.5269

Details

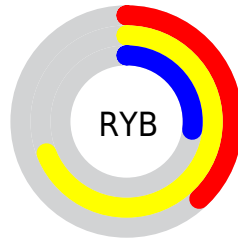
The CIELCh color **64, 47.143, 92.858** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **41, 52.068, 291.273**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 47.260, 92.742**, and **44, 47.008, 92.378** is the 20% darker color. If you saturate the color by 10%, you get **63, 53.728, 91.597**, and if you desaturate by 10%, it is **65, 39.874, 94.106**.

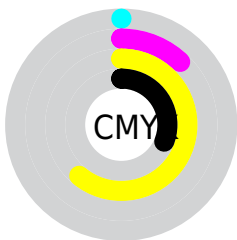
Distribution



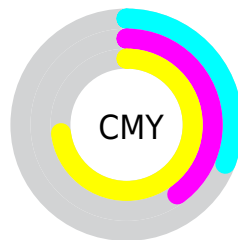
- Red (69%)
- Green (60%)
- Blue (27%)



- Red (38%)
- Yellow (69%)
- Blue (27%)



- Cyan (0%)
- Magenta (12%)
- Yellow (61%)
- Black (31%)



- Cyan (31%)
- Magenta (40%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.143, 92.858 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 64, 47.143, 92.858 by changing the saturation by 10% instead.

64, 47.143, 92.858

64, 47.143, 92.858

100, 47.143,
92.858

54, 47.143, 92.858

84, 47.143, 92.858

44, 47.143, 92.858

94, 47.143, 92.858

34, 47.143, 92.858

24, 47.143, 92.858

14, 47.143, 92.858

4, 47.143, 92.858

0, 47.143, 92.858

64, 47.143, 92.858

64, 47.143, 92.858

63, 53.728, 91.597

65, 39.874, 94.106

62, 59.144, 90.292

66, 32.244, 95.336

61, 62.802, 88.899

68, 24.452, 96.548

60, 64.645, 87.611

69, 16.612, 97.737

70, 8.790, 98.890

72, 1.022, 99.891

73, 6.675, 281.140

75, 14.292,
282.169

76, 21.826,
283.160

Harmonies

Complementary

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



64, 47.143, 92.858



41, 52.068, 291.273

Rectangle

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



64, 47.143, 92.858



64, 47.143, 142.858



64, 47.143, 272.858



64, 47.143, 322.858

Sweetspot

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



64, 47.143, 92.861



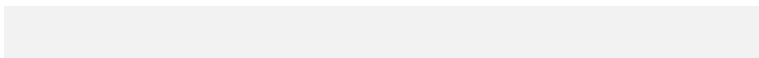
88, 17.367, 98.089



44, 46.978, 11.602



46, 12.067, 97.756



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 47.143, 92.861



80, 68.319, 91.087



68, 57.119, 117.869



37, 4.437, 99.115



53, 58.340, 87.806



7, 9.817, 94.656

Inverse Universe

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



41, 52.068, 291.273



45, 79.710, 295.243



38, 66.000, 306.151



35, 4.486, 281.300



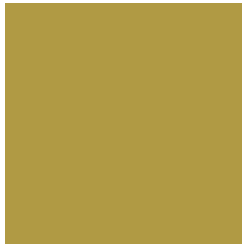
21, 78.589, 301.925



2, 11.295, 282.853

Previews

White Background



This preview shows how the CIELCh color 64, 47.143, 92.858 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 64, 47.143, 92.858 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 64, 47.143, 92.858

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.143, 92.858.



This preview shows how white text looks on a background with the CIELCh color 64, 47.143, 92.858.

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


64, 47.143, 92.858

Protanopia

64, 47.094, 95.650

Deuteranopia

64, 47.324, 80.227



Tritanopia
64, 16.440, 359.369

Trichromacy



Original Color
64, 47.143, 92.858

Protanomaly
64, 47.181, 95.108

Deuteranomaly
64, 47.005, 84.798

Tritanomaly
64, 19.452, 63.086

Monochromacy



Original Color
64, 47.143, 92.858

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 17.543, 97.310

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.143, 92.858 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(176, 154, 68)` looks like.

```
.text, #text, p{  
    color:rgb(176, 154, 68)  
}
```

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(176, 154, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 154, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.143, 92.858 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(176, 154, 68) }
```

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

```
.border{ border-color:rgb(176, 154, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 154, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 154, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 154, 68);  
box-shadow:4px 4px 4px 4px rgb(176, 154,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.143, 92.858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 154, 68) }
```

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

```
.background{ background-color: rgb(176,  
154, 68) }
```

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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