

Converting Colors

CIELCh(64, 49.298, 93.682)

Have a look what the booklet for
CIELCh(64, 49.298, 93.682) contains.

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Color

CIELCh(64, 48.869, 93.597)

Conversions

Conversions Part 1

Format	Color
Hex	AF9A40
RGB	175, 154, 64
RGB Percent	69%, 60%, 25%
CMY	0.3119, 0.3943, 0.7473
CMYK	0.00, 0.12, 0.63, 0.31
HSL	49°, 46%, 47%
HSV	49°, 63%, 69%
XYZ	30.3528, 32.8017, 9.6462
YIQ	150.0190, 41.4060, -23.5380

Conversions

Conversions Part 2

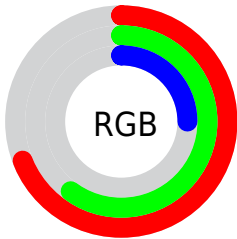
Format	Color
RYB	90, 175, 64
Decimal	11508288
CIELab	64.00, -3.07, 48.77
CIELCh	64, 48.869, 93.597
Yxy	32.8017, 0.4169, 0.4506
Android (android.graphics.Color)	4289698368 (0xFFAF9A40)
YUV	150.0190, -42.4074, 21.9083
Hunter-Lab	57.2727, -5.6279, 30.1050

Details

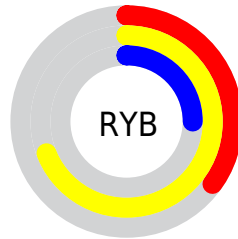
The CIELCh color **64, 48.869, 93.597** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 54.777, 292.527**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 49.057, 93.527**, and **44, 48.782, 93.669** is the 20% darker color. If you saturate the color by 10%, you get **63, 55.255, 92.372**, and if you desaturate by 10%, it is **65, 41.692, 94.816**.

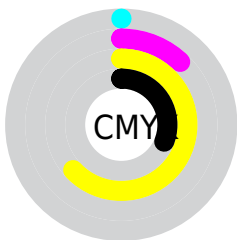
Distribution



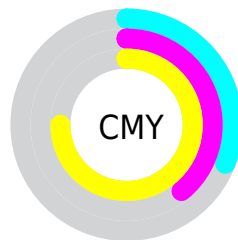
- Red (69%)
- Green (60%)
- Blue (25%)



- Red (35%)
- Yellow (69%)
- Blue (25%)



- Cyan (0%)
- Magenta (12%)
- Yellow (63%)
- Black (31%)



- Cyan (31%)
- Magenta (39%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 48.869, 93.597 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, 48.869, 93.597 by changing the saturation by 10% instead.

■ 64, 48.869, 93.597

■ 64, 48.869, 93.597

■ 100, 48.869,
93.597

■ 54, 48.869, 93.597

■ 84, 48.869, 93.597

■ 44, 48.869, 93.597

■ 94, 48.869, 93.597

■ 34, 48.869, 93.597

■ 24, 48.869, 93.597

■ 14, 48.869, 93.597

■ 4, 48.869, 93.597

■ 0, 48.869, 93.597

■ 64, 48.869, 93.597

■ 64, 48.869, 93.597

■ 63, 55.255, 92.372

■ 65, 41.692, 94.816

62, 60.338, 91.114

66, 34.078, 96.024

61, 63.548, 89.781

67, 26.252, 97.219

60, 64.900, 88.850

69, 18.346, 98.395

70, 10.435, 99.542

71, 2.563, 100.621

73, 5.248, 281.782

74, 12.986,
282.805

75, 20.647,
283.794

Harmonies

Complementary

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



64, 48.869, 93.597



39, 54.777, 292.527

Rectangle

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



64, 48.869, 93.597



64, 48.869, 143.597



64, 48.869, 273.597



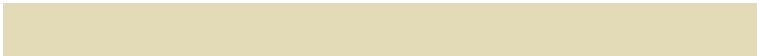
64, 48.869, 323.597

Sweetspot

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



64, 48.869, 93.600



87, 18.437, 98.853



44, 48.347, 13.453



46, 12.800, 98.529



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, 48.869, 93.600



79, 69.670, 91.873



67, 58.680, 118.535



36, 4.397, 99.987



52, 58.011, 89.046



6, 8.617, 96.602

Inverse Universe

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



39, 54.777, 292.527



43, 82.926, 296.501



37, 67.944, 306.755



34, 4.450, 282.137



20, 78.764, 302.367



1, 9.654, 283.008

Previews

White Background



This preview shows how the CIELCh color 64, 48.869, 93.597 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 CIELCh color 64, 48.869, 93.597 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, 48.869, 93.597

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.869, 93.597.



This preview shows how white text looks on a background with the CIELCh color 64, 48.869, 93.597.

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, 48.869, 93.597

Protanopia

64, 48.561, 95.214

Deuteranopia

64, 49.332, 80.421



Tritanopia
64, 16.071, 358.790

Trichromacy



Original Color
64, 48.869, 93.597

Protanomaly
64, 48.651, 94.686

Deuteranomaly
64, 48.998, 84.807

Tritanomaly
64, 19.558, 64.986

Monochromacy



Original Color
64, 48.869, 93.597

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 18.558, 99.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.869, 93.597 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(175, 154, 64)` looks like.

```
.text, #text, p{  
    color:rgb(175, 154, 64)  
}
```

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(175, 154, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 154, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.869, 93.597 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(175, 154, 64) }
```

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

```
.border{ border-color:rgb(175, 154, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 154, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 154, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 154, 64);  
box-shadow:4px 4px 4px 4px rgb(175, 154,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.869, 93.597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 154, 64) }
```

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

```
.background{ background-color: rgb(175,  
154, 64) }
```

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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