

Converting Colors

CIELCh(64, 47.619, 78.916)

Have a look what the booklet for
CIELCh(64, 47.619, 78.916) contains.

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Color

CIELCh(64, 47.598, 78.553)

Conversions

Conversions Part 1

Format	Color
Hex	C29346
RGB	194, 147, 70
RGB Percent	76%, 58%, 27%
CMY	0.2390, 0.4233, 0.7253
CMYK	0.00, 0.24, 0.64, 0.24
HSL	37°, 50%, 52%
HSV	37°, 64%, 76%
XYZ	33.8101, 32.8017, 10.3513
YIQ	152.2750, 52.7290, -13.9830

Conversions

Conversions Part 2

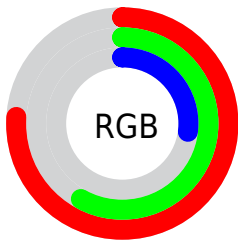
Format	Color
RYB	146, 194, 70
Decimal	12751686
CIELab	64.00, 9.45, 46.65
CIELCh	64, 47.598, 78.553
Yxy	32.8017, 0.4393, 0.4262
Android (android.graphics.Color)	4290941766 (0xFFC29346)
YUV	152.2750, -40.5616, 36.5928
Hunter-Lab	57.2727, 5.1474, 29.3750

Details

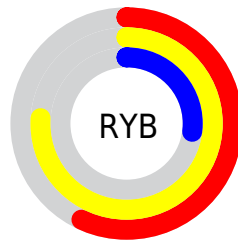
The CIELCh color **64, 47.598, 78.553** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **49, 45.879, 280.706**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 47.585, 78.854**, and **44, 47.833, 78.771** is the 20% darker color. If you saturate the color by 10%, you get **62, 54.773, 76.936**, and if you desaturate by 10%, it is **66, 39.989, 80.055**.

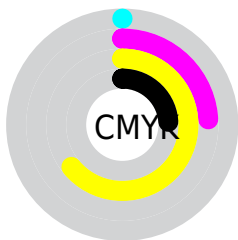
Distribution



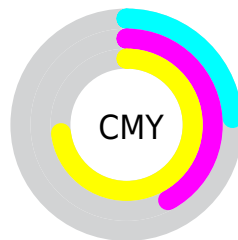
- Red (76%)
- Green (58%)
- Blue (27%)



- Red (57%)
- Yellow (76%)
- Blue (27%)



- Cyan (0%)
- Magenta (24%)
- Yellow (64%)
- Black (24%)



- Cyan (24%)
- Magenta (42%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.598, 78.553 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, 47.598, 78.553 by changing the saturation by 10% instead.

64, 47.598, 78.553

64, 47.598, 78.553

100, 47.598,
78.553

54, 47.598, 78.553

84, 47.598, 78.553

44, 47.598, 78.553

94, 47.598, 78.553

34, 47.598, 78.553

24, 47.598, 78.553

14, 47.598, 78.553

4, 47.598, 78.553

0, 47.598, 78.553

64, 47.598, 78.553

64, 47.598, 78.553

62, 54.773, 76.936

66, 39.989, 80.055

60, 60.946, 75.079

68, 32.276, 81.486

58, 65.319, 72.785

70, 24.632, 82.871

57, 67.261, 71.225

73, 17.139, 84.217

75, 9.831, 85.517

78, 2.717, 86.716

80, 4.210, 268.103

82, 10.960,
269.241

85, 17.549,
270.357

Harmonies

Complementary

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



64, 47.598, 78.553



49, 45.879, 280.706

Rectangle

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



64, 47.598, 78.553



64, 47.598, 128.553



64, 47.598, 258.553



64, 47.598, 308.553

Sweetspot

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



64, 47.598, 78.557



94, 16.762, 84.822



48, 53.649, 359.626



50, 11.677, 84.439



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 47.598, 78.557



78, 70.210, 76.173



75, 62.315, 110.096



40, 3.978, 86.085



48, 58.448, 71.717



8, 12.059, 72.902

Inverse Universe

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



49, 45.879, 280.706



56, 69.217, 285.700



38, 74.957, 302.639



38, 3.958, 268.574



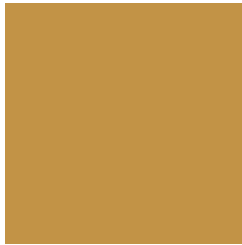
29, 63.465, 293.409



4, 14.481, 277.599

Previews

White Background



This preview shows how the CIELCh color 64, 47.598, 78.553 looks on a white background.

Color Contrast Check

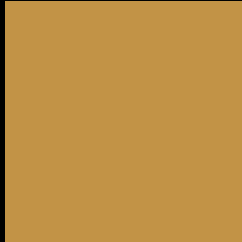
Large Text (above 18pt) WCAG AA × Fail

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, 47.598, 78.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

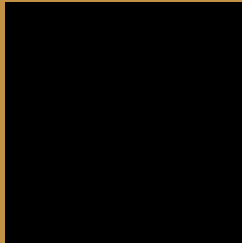
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 47.598, 78.553

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.598, 78.553.



This preview shows how white text looks on a background with the CIELCh color 64, 47.598, 78.553.

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, 47.598, 78.553

Protanopia

64, 45.097, 96.103

Deuteranopia

64, 47.324, 80.227



Tritanopia
64, 25.478, 8.430

Trichromacy



Original Color
64, 47.598, 78.553

Protanomaly
64, 45.457, 89.714

Deuteranomaly
64, 47.546, 79.743

Tritanomaly
64, 27.445, 46.218

Monochromacy



Original Color
64, 47.598, 78.553

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 17.178, 83.959

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.598, 78.553 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(194, 147, 70)` looks like.

```
.text, #text, p{  
    color:rgb(194, 147, 70)  
}
```

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(194, 147, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 147, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.598, 78.553 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(194, 147, 70) }
```

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

```
.border{ border-color:rgb(194, 147, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 147, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 147, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 147, 70);  
box-shadow:4px 4px 4px 4px rgb(194, 147,  
70) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.598, 78.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 147, 70) }
```

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

```
.background{ background-color: rgb(194,  
147, 70) }
```

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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