

Converting Colors

CIELCh(64, 47.298, 59.014)

Have a look what the booklet for
CIELCh(64, 47.298, 59.014) contains.

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Color

CIELCh(64, 47.409, 59.239)

Conversions

Conversions Part 1

Format	Color
Hex	D68953
RGB	214, 137, 83
RGB Percent	84%, 54%, 33%
CMY	0.1609, 0.4628, 0.6746
CMYK	0.00, 0.36, 0.61, 0.16
HSL	25°, 61%, 58%
HSV	25°, 61%, 84%
XYZ	38.2273, 32.8017, 12.4958
YIQ	153.8670, 63.2260, -0.4700

Conversions

Conversions Part 2

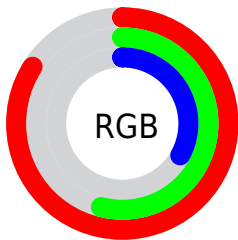
Format	Color
RYB	214, 175, 83
Decimal	14059859
CIELab	64.00, 24.25, 40.74
CIELCh	64, 47.409, 59.239
Yxy	32.8017, 0.4577, 0.3927
Android (android.graphics.Color)	4292249939 (0xFFD68953)
YUV	153.8670, -34.9374, 52.7366
Hunter-Lab	57.2727, 18.9143, 27.1550

Details

The CIELCh color **64, 47.409, 59.239** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **63, 35.450, 257.583**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 41.027, 66.503**, and **44, 47.340, 59.638** is the 20% darker color. If you saturate the color by 10%, you get **61, 56.470, 58.277**, and if you desaturate by 10%, it is **67, 38.542, 60.175**.

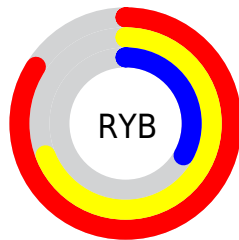
Distribution



Red (84%)

Green (54%)

Blue (33%)



Red (84%)

Yellow (69%)

Blue (33%)

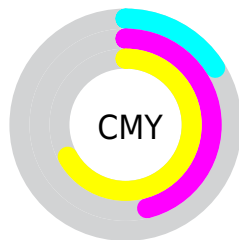


Cyan (0%)

Magenta (36%)

Yellow (61%)

Black (16%)



Cyan (16%)

Magenta (46%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.409, 59.239 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, 47.409, 59.239 by changing the saturation by 10% instead.

64, 47.409, 59.239

64, 47.409, 59.239

100, 47.409,
59.239

54, 47.409, 59.239

84, 47.409, 59.239

44, 47.409, 59.239

94, 47.409, 59.239

34, 47.409, 59.239

24, 47.409, 59.239

14, 47.409, 59.239

4, 47.409, 59.239

0, 47.409, 59.239

64, 47.409, 59.239

64, 47.409, 59.239

61, 56.470, 58.277

67, 38.542, 60.175

58, 65.272, 57.134

71, 30.072, 61.127

55, 72.913, 55.506

74, 22.068, 62.112

53, 78.129, 53.574

78, 14.535, 63.122

81, 7.452, 64.134

85, 0.781, 64.660

89, 5.520, 246.376

93, 11.493,
247.366

96, 12.303,
210.372

Harmonies

Complementary

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



64, 47.409, 59.239



63, 35.450, 257.583

Rectangle

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



64, 47.409, 59.239



64, 47.409, 109.239



64, 47.409, 239.239



64, 47.409, 289.239

Sweetspot

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



64, 47.408, 59.243



92, 14.082, 63.432



55, 61.591, 344.715



48, 9.875, 63.133



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, 47.408, 59.243



71, 67.042, 58.015



80, 59.697, 99.315



43, 3.752, 64.311



43, 65.745, 54.192



9, 17.312, 49.016

Inverse Universe

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



63, 35.450, 257.583



70, 47.276, 262.242



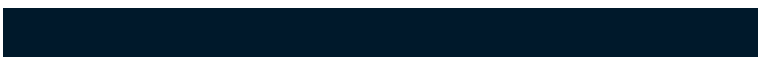
46, 69.538, 296.253



43, 3.622, 246.525



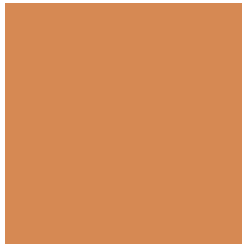
41, 44.529, 273.694



8, 15.097, 262.484

Previews

White Background



This preview shows how the CIELCh color 64, 47.409, 59.239 looks on a white background.

Color Contrast Check

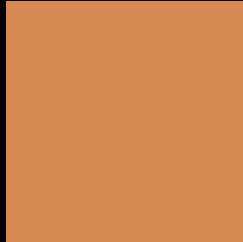
Large Text (above 18pt) WCAG AA × Fail

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, 47.409, 59.239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

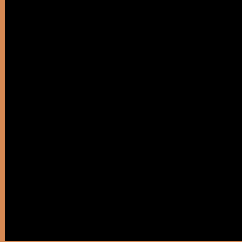
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 47.409, 59.239

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.409, 59.239.



This preview shows how white text looks on a background with the CIELCh color 64, 47.409, 59.239.

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, 47.409, 59.239

Protanopia

64, 37.093, 95.885

Deuteranopia

64, 42.487, 78.700



Tritanopia
64, 36.230, 14.852

Trichromacy



Original Color
64, 47.409, 59.239

Protanomaly
64, 38.458, 80.050

Deuteranomaly
64, 43.536, 71.225

Tritanomaly
64, 37.335, 34.678

Monochromacy



Original Color
64, 47.409, 59.239

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.237, 63.036

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.409, 59.239 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(214, 137, 83)` looks like.

```
.text, #text, p{  
    color:rgb(214, 137, 83)  
}
```

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(214, 137, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 137, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.409, 59.239 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(214, 137, 83) }
```

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

```
.border{ border-color:rgb(214, 137, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 137, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 137, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 137, 83);  
box-shadow:4px 4px 4px 4px rgb(214, 137,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.409, 59.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 137, 83) }
```

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

```
.background{ background-color: rgb(214,  
137, 83) }
```

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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