

Converting Colors

CIELCh(64, 50.317, 46.969)

Have a look what the booklet for
CIELCh(64, 50.317, 46.969) contains.

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Color

CIELCh(64, 50.346, 47.067)

Conversions

Conversions Part 1

Format	Color
Hex	E3815B
RGB	227, 129, 91
RGB Percent	89%, 51%, 36%
CMY	0.1097, 0.4940, 0.6430
CMYK	0.00, 0.43, 0.60, 0.11
HSL	17°, 71%, 62%
HSV	17°, 60%, 89%
XYZ	41.4343, 32.8017, 14.0520
YIQ	153.9700, 70.6060, 8.9580

Conversions

Conversions Part 2

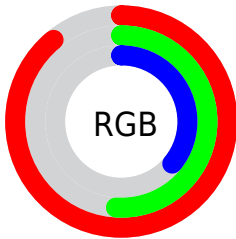
Format	Color
R _Y B	227, 144, 91
Decimal	14909787
CIE Lab	64.00, 34.29, 36.86
CIE LCh	64, 50.346, 47.067
Yxy	32.8017, 0.4693, 0.3715
Android (android.graphics.Color)	4293099867 (0xFFE3815B)
YUV	153.9700, -31.0442, 64.0473
Hunter-Lab	57.2727, 28.9095, 25.5439

Details

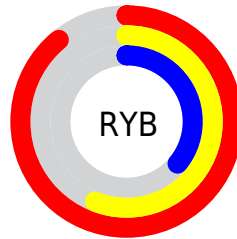
The CIELCh color **64, 50.346, 47.067** is a light color, and the websafe version is hex **FF9966**. The color can be described as light muted orange. A complement of this color would be **72, 32.832, 237.279**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **80, 37.768, 55.634**, and **44, 50.228, 46.971** is the 20% darker color. If you saturate the color by 10%, you get **60, 60.724, 47.170**, and if you desaturate by 10%, it is **68, 40.397, 47.086**.

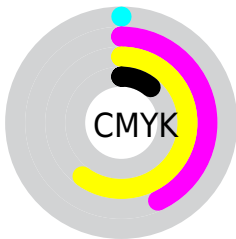
Distribution



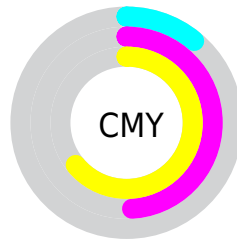
- Red (89%)
- Green (51%)
- Blue (36%)



- Red (89%)
- Yellow (56%)
- Blue (36%)



- Cyan (0%)
- Magenta (43%)
- Yellow (60%)
- Black (11%)



- Cyan (11%)
- Magenta (49%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.346, 47.067 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, 50.346, 47.067 by changing the saturation by 10% instead.

64, 50.346, 47.067

64, 50.346, 47.067

100, 50.346,
47.067

54, 50.346, 47.067

84, 50.346, 47.067

44, 50.346, 47.067

94, 50.346, 47.067

34, 50.346, 47.067

24, 50.346, 47.067

14, 50.346, 47.067

4, 50.346, 47.067

0, 50.346, 47.067

64, 50.346, 47.067

64, 50.346, 47.067

60, 60.724, 47.170

68, 40.397, 47.086

57, 71.118, 47.260

72, 31.051, 47.243

54, 80.587, 47.005

77, 22.354, 47.533

52, 87.907, 46.066

81, 14.297, 47.928

52, 87.975, 46.061

86, 6.841, 48.382

90, 0.069, 237.318

95, 6.486, 229.720

98, 9.502, 198.875

Harmonies

Complementary

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



64, 50.346, 47.067



72, 32.832, 237.279

Rectangle

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



64, 50.346, 47.067



64, 50.346, 97.067



64, 50.346, 227.067



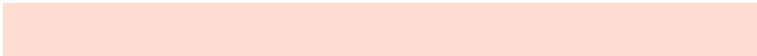
64, 50.346, 277.067

Sweetspot

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



64, 50.344, 47.071



91, 14.107, 48.007



60, 68.912, 337.592



47, 9.917, 47.879



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, 50.344, 47.071



66, 69.226, 47.203



80, 55.422, 90.824



46, 3.951, 48.401



41, 73.065, 46.557



9, 22.542, 38.966

Inverse Universe

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



72, 32.832, 237.279



77, 40.558, 241.034



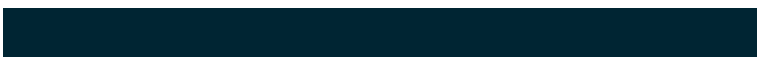
54, 60.035, 289.550



46, 3.746, 229.735



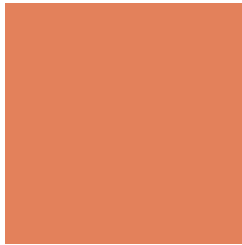
50, 36.299, 252.050



13, 14.478, 243.276

Previews

White Background



This preview shows how the CIELCh color 64, 50.346, 47.067 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, 50.346, 47.067 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, 50.346, 47.067

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.346, 47.067.



This preview shows how white text looks on a background with the CIELCh color 64, 50.346, 47.067.

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, 50.346, 47.067

Protanopia

64, 30.704, 96.289

Deuteranopia

64, 38.950, 77.436



Tritanopia
64, 43.910, 18.150

Trichromacy



Original Color
64, 50.346, 47.067

Protanomaly
64, 33.924, 71.989

Deuteranomaly
64, 41.506, 64.476

Tritanomaly
64, 44.685, 29.639

Monochromacy



Original Color
64, 50.346, 47.067

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.989, 47.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.346, 47.067 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(227, 129, 91)` looks like.

```
.text, #text, p{  
    color:rgb(227, 129, 91)  
}
```

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(227, 129, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 129, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.346, 47.067 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(227, 129, 91) }
```

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

```
.border{ border-color:rgb(227, 129, 91) }
```

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

Here you see how a box with a 4 pixel rgb(227, 129, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 129, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 129, 91);  
box-shadow:4px 4px 4px 4px rgb(227, 129,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.346, 47.067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 129, 91) }
```

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

```
.background{ background-color: rgb(227,  
129, 91) }
```

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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