

Converting Colors

CIELCh(66, 46.242, 47.412)

Have a look what the booklet for
CIELCh(66, 46.242, 47.412) contains.

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Color

CIELCh(66, 46.181, 47.424)

Conversions

Conversions Part 1

Format	Color
Hex	E48965
RGB	228, 137, 101
RGB Percent	89%, 54%, 40%
CMY	0.1059, 0.4627, 0.6039
CMYK	0.00, 0.40, 0.56, 0.11
HSL	17°, 70%, 65%
HSV	17°, 56%, 89%
XYZ	43.2883, 35.3238, 16.8480
YIQ	160.1050, 65.7920, 8.0960

Conversions

Conversions Part 2

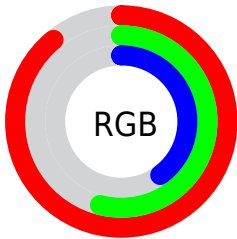
Format	Color
R _Y B	228, 151, 101
Decimal	14977381
CIE Lab	66.00, 31.24, 34.01
CIE LCh	66, 46.181, 47.424
Yxy	35.3238, 0.4535, 0.3700
Android (android.graphics.Color)	4293167461 (0xFFE48965)
YUV	160.1050, -29.1388, 59.5439
Hunter-Lab	59.4338, 26.0003, 24.7964

Details

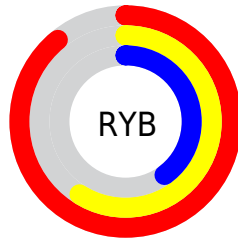
The CIELCh color **66, 46.181, 47.424** is a light color, and the websafe version is hex **FF9966**. A complement of this color would be **74, 31.303, 236.876**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 33.910, 57.594**, and **46, 46.417, 47.543** is the 20% darker color. If you saturate the color by 10%, you get **62, 56.421, 47.452**, and if you desaturate by 10%, it is **70, 36.460, 47.533**.

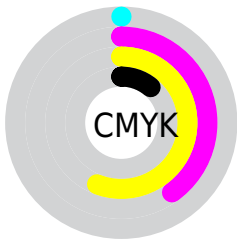
Distribution



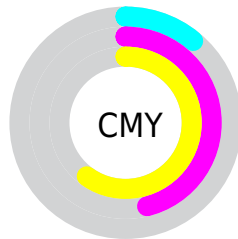
- Red (89%)
- Green (54%)
- Blue (40%)



- Red (89%)
- Yellow (59%)
- Blue (40%)



- Cyan (0%)
- Magenta (40%)
- Yellow (56%)
- Black (11%)



- Cyan (11%)
- Magenta (46%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 66, 46.181, 47.424 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 66, 46.181, 47.424 by changing the saturation by 10% instead.

66, 46.181, 47.424

66, 46.181, 47.424

100, 46.181,
47.424

56, 46.181, 47.424

86, 46.181, 47.424

46, 46.181, 47.424

96, 46.181, 47.424

36, 46.181, 47.424

26, 46.181, 47.424

16, 46.181, 47.424

6, 46.181, 47.424

0, 46.181, 47.424

66, 46.181, 47.424

66, 46.181, 47.424

62, 56.421, 47.452

70, 36.460, 47.533

59, 66.895, 47.530

74, 27.372, 47.775

56, 76.920, 47.434

79, 18.933, 48.137

53, 85.117, 46.648

83, 11.119, 48.587

52, 88.078, 46.230

88, 3.884, 49.038

93, 2.830, 229.984

97, 8.119, 212.299

98, 9.185, 198.897

Harmonies

Complementary

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



66, 46.181, 47.424



74, 31.303, 236.876

Rectangle

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



66, 46.181, 47.424



66, 46.181, 97.424



66, 46.181, 227.424



66, 46.181, 277.424

Sweetspot

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



66, 46.179, 47.428



91, 13.255, 48.520



61, 64.486, 337.974



48, 8.937, 48.426



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



66, 46.179, 47.428



68, 63.351, 47.465



81, 52.599, 92.556



46, 3.947, 48.885



41, 72.911, 46.740



9, 22.489, 39.292

Inverse Universe

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



74, 31.303, 236.876



78, 38.886, 240.085



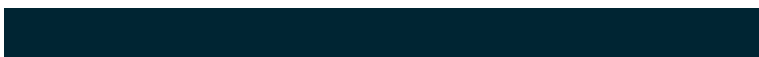
56, 56.892, 289.348



46, 3.744, 230.253



50, 36.508, 252.840



13, 14.526, 243.999

Previews

White Background



This preview shows how the CIELCh color 66, 46.181, 47.424 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 66, 46.181, 47.424 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

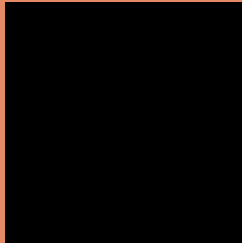
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 66, 46.181, 47.424

Background



This preview shows how black text looks on a background with the CIELCh color 66, 46.181, 47.424.



This preview shows how white text looks on a background with the CIELCh color 66, 46.181, 47.424.

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

66, 46.181, 47.424

Protanopia

66, 28.445, 95.932

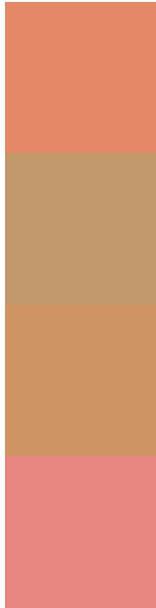
Deuteranopia

66, 36.050, 76.688



Tritanopia
66, 40.641, 17.063

Trichromacy



Original Color
66, 46.181, 47.424

Protanomaly
66, 31.244, 71.572

Deuteranomaly
66, 38.386, 64.268

Tritanomaly
66, 41.197, 29.532

Monochromacy



Original Color
66, 46.181, 47.424

Achromatopsia
66, 0.008, 296.813

Achromatomaly
65, 15.388, 48.085

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 66, 46.181, 47.424 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(228, 137, 101)` looks like.

```
.text, #text, p{  
    color:rgb(228, 137, 101)  
}
```

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(228, 137, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 137, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 66, 46.181, 47.424 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(228, 137, 101) }
```

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

```
.border{ border-color:rgb(228, 137, 101) }
```

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

Here you see how a box with a 4 pixel rgb(228, 137, 101) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 137, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 137, 101);  
box-shadow:4px 4px 4px 4px rgb(228, 137,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 66, 46.181, 47.424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 137, 101) }
```

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

```
.background{ background-color: rgb(228,  
137, 101) }
```

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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