

Converting Colors

CIELCh(64, 50.006, 58.422)

Have a look what the booklet for
CIELCh(64, 50.006, 58.422) contains.

CIELCh(64, 49.783, 58.041)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 49.783, 58.041)

Conversions

Conversions Part 1

Format	Color
Hex	D98750
RGB	217, 135, 80
RGB Percent	85%, 53%, 31%
CMY	0.1476, 0.4694, 0.6851
CMYK	0.00, 0.38, 0.63, 0.15
HSL	24°, 65%, 58%
HSV	24°, 63%, 85%
XYZ	38.8845, 32.8017, 11.9267
YIQ	153.2480, 66.5270, 0.2790

Conversions

Conversions Part 2

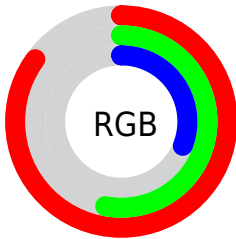
Format	Color
RYB	217, 172, 80
Decimal	14255952
CIELab	64.00, 26.35, 42.24
CIELCh	64, 49.783, 58.041
Yxy	32.8017, 0.4651, 0.3923
Android (android.graphics.Color)	4292446032 (0xFFD98750)
YUV	153.2480, -36.1113, 55.9105
Hunter-Lab	57.2727, 20.9626, 27.7441

Details

The CIELCh color **64, 49.783, 58.041** 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 **64, 36.344, 256.744**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 42.143, 66.025**, and **44, 49.815, 58.240** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.034, 57.131**, and if you desaturate by 10%, it is **67, 40.690, 58.915**.

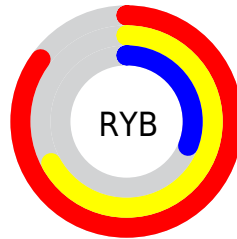
Distribution



Red (85%)

Green (53%)

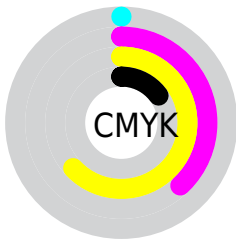
Blue (31%)



Red (85%)

Yellow (67%)

Blue (31%)

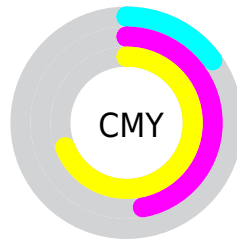


Cyan (0%)

Magenta (38%)

Yellow (63%)

Black (15%)



Cyan (15%)

Magenta (47%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 49.783, 58.041 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, 49.783, 58.041 by changing the saturation by 10% instead.

64, 49.783, 58.041

64, 49.783, 58.041

100, 49.783,
58.041

54, 49.783, 58.041

84, 49.783, 58.041

44, 49.783, 58.041

94, 49.783, 58.041

34, 49.783, 58.041

24, 49.783, 58.041

14, 49.783, 58.041

4, 49.783, 58.041

0, 49.783, 58.041

64, 49.783, 58.041

64, 49.783, 58.041

61, 59.034, 57.131

67, 40.690, 58.915

58, 67.916, 56.006

71, 31.993, 59.807

55, 75.408, 54.313

74, 23.777, 60.739

54, 79.546, 52.812

78, 16.057, 61.706

82, 8.810, 62.686

86, 1.998, 63.523

90, 4.421, 244.888

93, 10.491,
245.840

97, 11.823,
205.221

Harmonies

Complementary

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



64, 49.783, 58.041



64, 36.344, 256.744

Rectangle

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



64, 49.783, 58.041



64, 49.783, 108.041



64, 49.783, 238.041



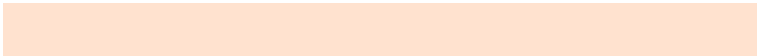
64, 49.783, 288.041

Sweetspot

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



64, 49.782, 58.045



92, 14.874, 62.088



55, 63.805, 344.995



48, 10.331, 61.804



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, 49.782, 58.045



70, 70.329, 56.762



81, 61.998, 99.125



44, 3.813, 63.033



43, 66.877, 53.417



9, 18.694, 48.699

Inverse Universe

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



64, 36.344, 256.744



69, 48.085, 262.003



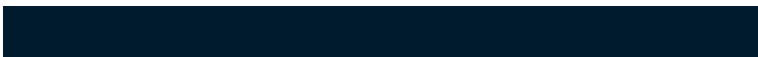
45, 72.793, 296.729



44, 3.674, 245.201



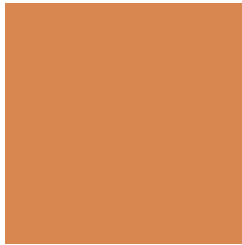
43, 44.090, 272.291



9, 15.515, 261.642

Previews

White Background



This preview shows how the CIELCh color 64, 49.783, 58.041 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, 49.783, 58.041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

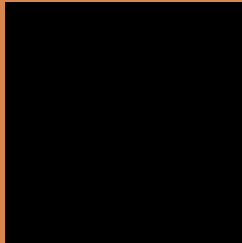
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 49.783, 58.041

Background



This preview shows how black text looks on a background with the CIELCh color 64, 49.783, 58.041.



This preview shows how white text looks on a background with the CIELCh color 64, 49.783, 58.041.

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, 49.783, 58.041

Protanopia

64, 38.109, 96.023

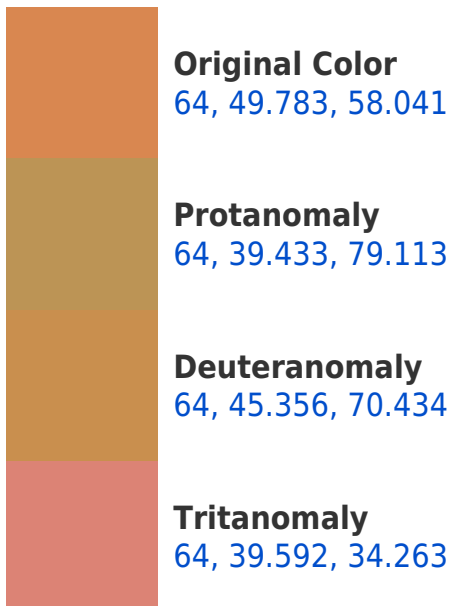
Deuteranopia

64, 43.887, 79.370



Tritanopia
64, 38.357, 15.637

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 49.783, 58.041 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(217, 135, 80)` looks like.

```
.text, #text, p{  
    color:rgb(217, 135, 80)  
}
```

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(217, 135, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 135, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 49.783, 58.041 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(217, 135, 80) }
```

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

```
.border{ border-color:rgb(217, 135, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 135, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 135, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 135, 80);  
box-shadow:4px 4px 4px 4px rgb(217, 135,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 49.783, 58.041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 135, 80) }
```

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

```
.background{ background-color: rgb(217,  
135, 80) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor