

Converting Colors

CIELCh(64, 47.656, 53.388)

Have a look what the booklet for
CIELCh(64, 47.656, 53.388) contains.

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Color

CIELCh(64, 47.560, 53.555)

Conversions

Conversions Part 1

Format	Color
Hex	DB8658
RGB	219, 134, 88
RGB Percent	86%, 53%, 35%
CMY	0.1413, 0.4746, 0.6550
CMYK	0.00, 0.39, 0.60, 0.14
HSL	21°, 65%, 60%
HSV	21°, 60%, 86%
XYZ	39.4854, 32.8017, 13.4771
YIQ	154.1710, 65.4260, 3.7140

Conversions

Conversions Part 2

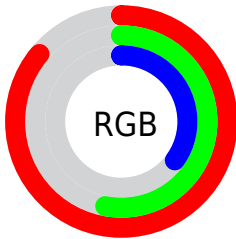
Format	Color
R _Y B	219, 159, 88
Decimal	14386776
CIE Lab	64.00, 28.25, 38.26
CIE LCh	64, 47.560, 53.555
Yxy	32.8017, 0.4604, 0.3825
Android (android.graphics.Color)	4292576856 (0xFFDB8658)
YUV	154.1710, -32.6223, 56.8550
Hunter-Lab	57.2727, 22.8355, 26.1392

Details

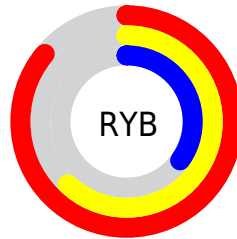
The CIELCh color **64, 47.560, 53.555** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **67, 33.303, 248.413**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 38.853, 61.726**, and **44, 47.877, 53.430** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.184, 53.036**, and if you desaturate by 10%, it is **68, 38.284, 54.115**.

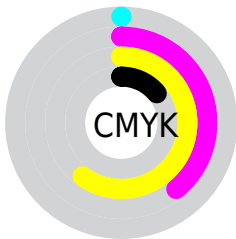
Distribution



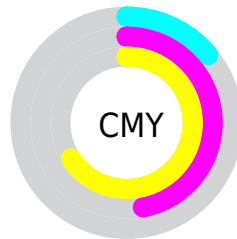
- Red (86%)
- Green (53%)
- Blue (35%)



- Red (86%)
- Yellow (62%)
- Blue (35%)



- Cyan (0%)
- Magenta (39%)
- Yellow (60%)
- Black (14%)



- Cyan (14%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.560, 53.555 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, 47.560, 53.555 by changing the saturation by 10% instead.

64, 47.560, 53.555

64, 47.560, 53.555

100, 47.560,
53.555

54, 47.560, 53.555

84, 47.560, 53.555

44, 47.560, 53.555

94, 47.560, 53.555

34, 47.560, 53.555

24, 47.560, 53.555

14, 47.560, 53.555

4, 47.560, 53.555

0, 47.560, 53.555

64, 47.560, 53.555

64, 47.560, 53.555

61, 57.184, 53.036

68, 38.284, 54.115

58, 66.756, 52.420

71, 29.522, 54.744

55, 75.410, 51.407

75, 21.320, 55.448

52, 82.158, 49.736

79, 13.672, 56.210

52, 82.277, 49.713

83, 6.541, 56.995

87, 0.120, 242.184

92, 6.359, 238.884

96, 10.274,
220.544

98, 12.137,
198.695

Harmonies

Complementary

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



64, 47.560, 53.555



67, 33.303, 248.413

Rectangle

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



64, 47.560, 53.555



64, 47.560, 103.555



64, 47.560, 233.555



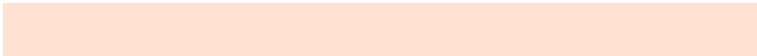
64, 47.560, 283.555

Sweetspot

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



64, 47.559, 53.559



92, 13.965, 56.342



57, 63.451, 341.754



48, 9.806, 56.112



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, 47.559, 53.559



69, 67.192, 52.882



80, 57.275, 96.463



44, 3.780, 57.024



42, 68.740, 50.294



9, 19.121, 43.525

Inverse Universe

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



67, 33.303, 248.413



73, 43.223, 252.864



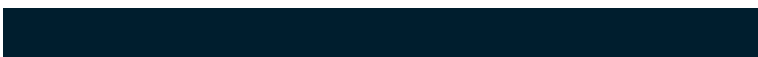
49, 64.940, 293.750



44, 3.616, 238.898



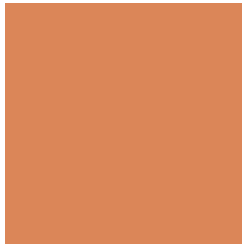
45, 39.978, 264.774



10, 14.491, 254.114

Previews

White Background



This preview shows how the CIELCh color 64, 47.560, 53.555 looks on a white background.

Color Contrast Check

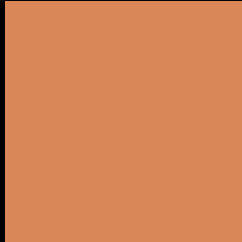
Large Text (above 18pt) WCAG AA × Fail

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, 47.560, 53.555 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

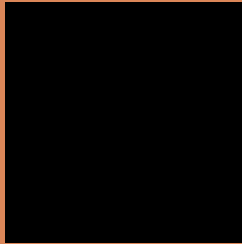
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 47.560, 53.555

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.560, 53.555.



This preview shows how white text looks on a background with the CIELCh color 64, 47.560, 53.555.

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, 47.560, 53.555

Protanopia

64, 33.402, 96.019

Deuteranopia

64, 39.898, 77.990



Tritanopia
64, 38.802, 16.581

Trichromacy



Original Color
64, 47.560, 53.555

Protanomaly
64, 35.608, 76.745

Deuteranomaly
64, 41.831, 67.820

Tritanomaly
64, 39.881, 31.974

Monochromacy



Original Color
64, 47.560, 53.555

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.099, 56.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.560, 53.555 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(219, 134, 88)` looks like.

```
.text, #text, p{  
    color:rgb(219, 134, 88)  
}
```

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(219, 134, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 134, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.560, 53.555 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(219, 134, 88) }
```

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

```
.border{ border-color:rgb(219, 134, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 134, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 134, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 134, 88);  
box-shadow:4px 4px 4px 4px rgb(219, 134,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.560, 53.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 134, 88) }
```

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

```
.background{ background-color: rgb(219,  
134, 88) }
```

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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