

Converting Colors

CIELCh(64, 48.438, 55.911)

Have a look what the booklet for
CIELCh(64, 48.438, 55.911) contains.

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Color

CIELCh(64, 48.605, 56.212)

Conversions

Conversions Part 1

Format	Color
Hex	DA8754
RGB	218, 135, 84
RGB Percent	85%, 53%, 33%
CMY	0.1458, 0.4712, 0.6711
CMYK	0.00, 0.38, 0.62, 0.15
HSL	23°, 64%, 59%
HSV	23°, 62%, 85%
XYZ	39.0984, 32.8017, 12.6286
YIQ	154.0030, 65.8390, 1.7350

Conversions

Conversions Part 2

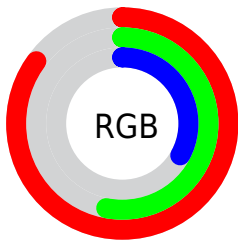
Format	Color
R _{YB}	218, 166, 84
Decimal	14321492
CIE _{Lab}	64.00, 27.03, 40.40
CIE _{LCh}	64, 48.605, 56.212
Yxy	32.8017, 0.4625, 0.3881
Android (android.graphics.Color)	4292511572 (0xFFDA8754)
YUV	154.0030, -34.5115, 56.1254
Hunter-Lab	57.2727, 21.6294, 27.0175

Details

The CIELCh color **64, 48.605, 56.212** 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 **65, 34.858, 253.279**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 40.494, 64.401**, and **44, 48.841, 55.920** is the 20% darker color. If you saturate the color by 10%, you get **61, 58.015, 55.463**, and if you desaturate by 10%, it is **67, 39.445, 56.960**.

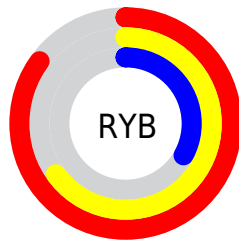
Distribution



Red (85%)

Green (53%)

Blue (33%)



Red (85%)

Yellow (65%)

Blue (33%)

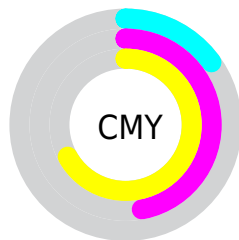


Cyan (0%)

Magenta (38%)

Yellow (62%)

Black (15%)



Cyan (15%)

Magenta (47%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 48.605, 56.212 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, 48.605, 56.212 by changing the saturation by 10% instead.

64, 48.605, 56.212

64, 48.605, 56.212

100, 48.605,
56.212

54, 48.605, 56.212

84, 48.605, 56.212

44, 48.605, 56.212

94, 48.605, 56.212

34, 48.605, 56.212

24, 48.605, 56.212

14, 48.605, 56.212

4, 48.605, 56.212

0, 48.605, 56.212

64, 48.605, 56.212

64, 48.605, 56.212

61, 58.015, 55.463

67, 39.445, 56.960

58, 67.213, 54.552

71, 30.737, 57.748

55, 75.251, 53.152

75, 22.547, 58.590

53, 80.604, 51.475

79, 14.877, 59.477

82, 7.698, 60.380

86, 0.969, 60.897

90, 5.356, 242.456

94, 10.350,
236.544

97, 12.506,
198.671

Harmonies

Complementary

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



64, 48.605, 56.212



65, 34.858, 253.279

Rectangle

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



64, 48.605, 56.212



64, 48.605, 106.212



64, 48.605, 236.212



64, 48.605, 286.212

Sweetspot

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



64, 48.604, 56.216



92, 13.994, 59.779



56, 63.928, 342.873



48, 9.820, 59.513



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, 48.604, 56.216



69, 68.678, 55.203



80, 59.214, 97.307



44, 3.794, 60.562



43, 67.634, 52.071



9, 18.853, 46.509

Inverse Universe

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



65, 34.858, 253.279



71, 45.742, 258.154



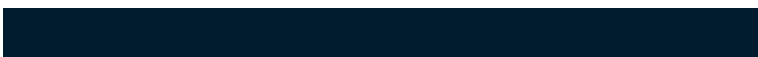
47, 68.092, 294.929



44, 3.645, 242.619



44, 42.305, 269.328



9, 15.061, 258.629

Previews

White Background



This preview shows how the CIELCh color 64, 48.605, 56.212 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, 48.605, 56.212 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, 48.605, 56.212

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.605, 56.212.



This preview shows how white text looks on a background with the CIELCh color 64, 48.605, 56.212.

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, 48.605, 56.212

Protanopia

64, 35.984, 96.425

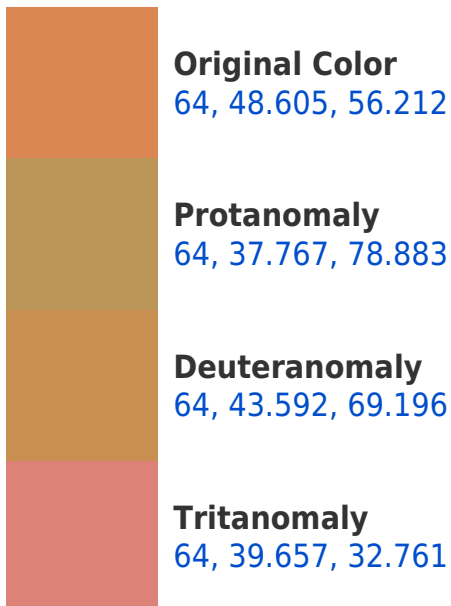
Deuteranopia

64, 42.019, 78.463



Tritanopia
64, 38.357, 15.637

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.605, 56.212 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(218, 135, 84)` looks like.

```
.text, #text, p{  
    color:rgb(218, 135, 84)  
}
```

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(218, 135, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 135, 84) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.605, 56.212 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(218, 135, 84) }
```

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

```
.border{ border-color:rgb(218, 135, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 135, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 135, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 135, 84);  
box-shadow:4px 4px 4px 4px rgb(218, 135,  
84) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.605, 56.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 135, 84) }
```

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

```
.background{ background-color: rgb(218,  
135, 84) }
```

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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