

Converting Colors

CIELCh(64, 47.866, 55.346)

Have a look what the booklet for
CIELCh(64, 47.866, 55.346) contains.

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Color

CIELCh(64, 47.840, 55.394)

Conversions

Conversions Part 1

Format	Color
Hex	DA8756
RGB	218, 135, 86
RGB Percent	85%, 53%, 34%
CMY	0.1461, 0.4714, 0.6635
CMYK	0.00, 0.38, 0.61, 0.15
HSL	22°, 64%, 60%
HSV	22°, 61%, 85%
XYZ	39.1424, 32.8017, 13.0289
YIQ	154.2310, 65.1970, 2.3570

Conversions

Conversions Part 2

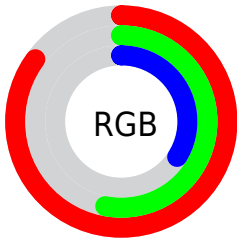
Format	Color
R _Y B	218, 164, 86
Decimal	14321494
CIE Lab	64.00, 27.17, 39.38
CIE LCh	64, 47.840, 55.394
Yxy	32.8017, 0.4606, 0.3860
Android (android.graphics.Color)	4292511574 (0xFFDA8756)
YUV	154.2310, -33.6379, 55.9254
Hunter-Lab	57.2727, 21.7666, 26.6032

Details

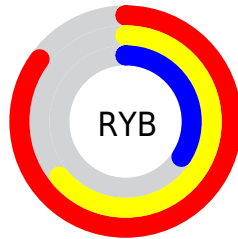
The CIELCh color **64, 47.840, 55.394** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **66, 34.112, 251.626**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 39.683, 63.531**, and **44, 48.090, 55.181** is the 20% darker color. If you saturate the color by 10%, you get **61, 57.301, 54.719**, and if you desaturate by 10%, it is **67, 38.672, 56.084**.

Distribution



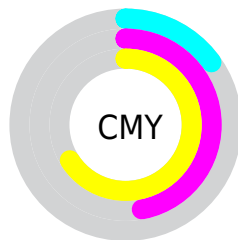
- Red (85%)
- Green (53%)
- Blue (34%)



- Red (85%)
- Yellow (64%)
- Blue (34%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (15%)



- Cyan (15%)
- Magenta (47%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 47.840, 55.394 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, 47.840, 55.394 by changing the saturation by 10% instead.

 64, 47.840, 55.394

 64, 47.840, 55.394

 100, 47.840,
55.394

 54, 47.840, 55.394

 84, 47.840, 55.394

 44, 47.840, 55.394

 94, 47.840, 55.394

 34, 47.840, 55.394

 24, 47.840, 55.394

 14, 47.840, 55.394

 4, 47.840, 55.394

 0, 47.840, 55.394

 64, 47.840, 55.394

 64, 47.840, 55.394

 61, 57.301, 54.719

 67, 38.672, 56.084

58, 66.628, 53.911

71, 29.981, 56.825

55, 74.921, 52.659

75, 21.822, 57.626

53, 81.005, 50.902

79, 14.191, 58.476

83, 7.059, 59.343

87, 0.381, 59.041

91, 5.891, 241.360

95, 10.361,
231.113

97, 12.531,
198.669

Harmonies

Complementary

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



64, 47.840, 55.394



66, 34.112, 251.626

Rectangle

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



64, 47.840, 55.394



64, 47.840, 105.394



64, 47.840, 235.394



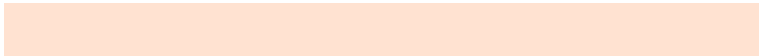
64, 47.840, 285.394

Sweetspot

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



64, 47.839, 55.398



92, 13.979, 58.688



56, 63.176, 342.754



48, 9.812, 58.433



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, 47.839, 55.398



69, 67.816, 54.496



80, 58.435, 97.405



44, 3.788, 59.440



42, 67.983, 51.489



9, 18.933, 45.543

Inverse Universe

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



66, 34.112, 251.626



72, 44.725, 256.346



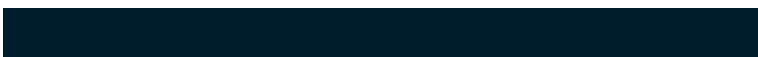
48, 66.961, 294.697



44, 3.634, 241.442



44, 41.538, 267.926



10, 14.870, 257.223

Previews

White Background



This preview shows how the CIELCh color 64, 47.840, 55.394 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, 47.840, 55.394 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

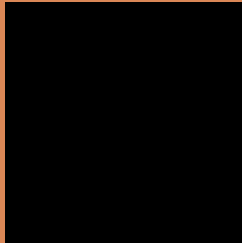
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 47.840, 55.394

Background



This preview shows how black text looks on a background with the CIELCh color 64, 47.840, 55.394.



This preview shows how white text looks on a background with the CIELCh color 64, 47.840, 55.394.

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, 47.840, 55.394

Protanopia

64, 34.955, 96.275

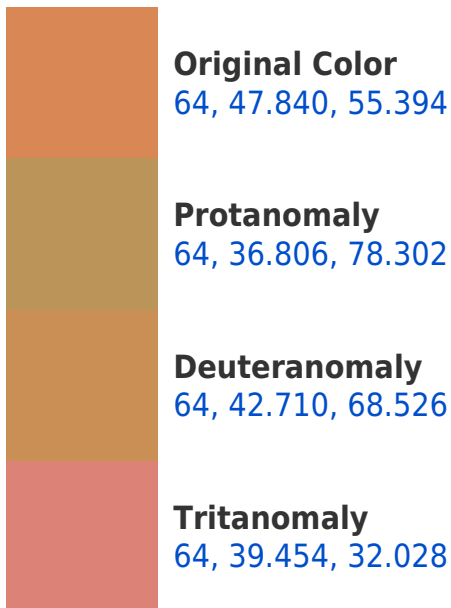
Deuteranopia

64, 41.079, 77.966



Tritanopia
64, 38.357, 15.637

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 47.840, 55.394 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, 86)` looks like.

```
.text, #text, p{  
    color:rgb(218, 135, 86)  
}
```

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, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 135, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 47.840, 55.394 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, 86) }
```

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

```
.border{ border-color:rgb(218, 135, 86) }
```

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, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 135, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 135, 86);  
box-shadow:4px 4px 4px 4px rgb(218, 135,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 47.840, 55.394 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, 86) }
```

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

```
.background{ background-color: rgb(218,  
135, 86) }
```

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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