

Converting Colors

CIELCh(64, 50.004, 56.887)

Have a look what the booklet for
CIELCh(64, 50.004, 56.887) contains.

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Color

CIELCh(64, 50.134, 57.096)

Conversions

Conversions Part 1

Format	Color
Hex	DB8751
RGB	219, 135, 81
RGB Percent	86%, 53%, 32%
CMY	0.1429, 0.4721, 0.6838
CMYK	0.00, 0.38, 0.63, 0.14
HSL	23°, 65%, 59%
HSV	23°, 63%, 86%
XYZ	39.1629, 32.8017, 11.9813
YIQ	153.9600, 67.3980, 1.0140

Conversions

Conversions Part 2

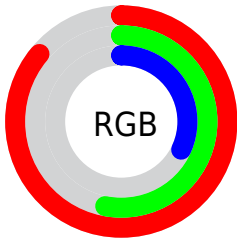
Format	Color
R _Y B	219, 170, 81
Decimal	14387025
CIE Lab	64.00, 27.23, 42.09
CIE LCh	64, 50.134, 57.096
Yxy	32.8017, 0.4665, 0.3907
Android (android.graphics.Color)	4292577105 (0xFFDB8751)
YUV	153.9600, -35.9693, 57.0401
Hunter-Lab	57.2727, 21.8303, 27.6876

Details

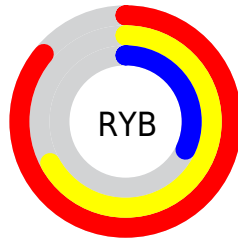
The CIELCh color **64, 50.134, 57.096** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **65, 36.109, 255.359**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 41.728, 65.633**, and **44, 50.349, 56.664** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.499, 56.256**, and if you desaturate by 10%, it is **67, 40.946, 57.909**.

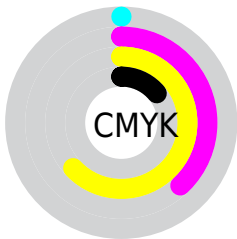
Distribution



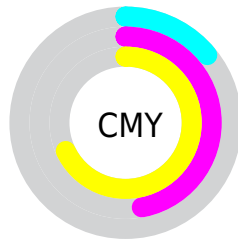
- Red (86%)
- Green (53%)
- Blue (32%)



- Red (86%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (38%)
- Yellow (63%)
- Black (14%)



- Cyan (14%)
- Magenta (47%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.134, 57.096 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, 50.134, 57.096 by changing the saturation by 10% instead.

64, 50.134, 57.096

64, 50.134, 57.096

100, 50.134,
57.096

54, 50.134, 57.096

84, 50.134, 57.096

44, 50.134, 57.096

94, 50.134, 57.096

34, 50.134, 57.096

24, 50.134, 57.096

14, 50.134, 57.096

4, 50.134, 57.096

0, 50.134, 57.096

64, 50.134, 57.096

64, 50.134, 57.096

61, 59.499, 56.256

67, 40.946, 57.909

58, 68.512, 55.206

71, 32.173, 58.748

55, 76.138, 53.588

75, 23.899, 59.634

54, 80.330, 52.146

78, 16.135, 60.560

82, 8.858, 61.505

86, 2.029, 62.311

90, 4.397, 243.653

94, 10.299,
243.531

97, 12.041,
200.332

Harmonies

Complementary

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



64, 50.134, 57.096



65, 36.109, 255.359

Rectangle

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



64, 50.134, 57.096



64, 50.134, 107.096



64, 50.134, 237.096



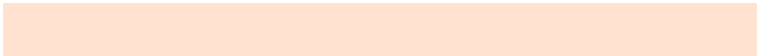
64, 50.134, 287.096

Sweetspot

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



64, 50.133, 57.100



92, 14.845, 60.932



56, 64.733, 344.035



48, 10.314, 60.660



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, 50.133, 57.100



69, 70.542, 55.920



81, 61.498, 98.140



44, 3.803, 61.844



43, 67.239, 52.758



9, 18.767, 47.634

Inverse Universe

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



65, 36.109, 255.359



70, 47.393, 260.572



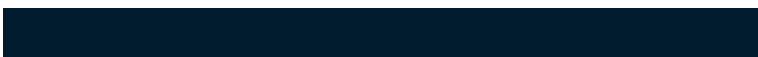
46, 71.718, 296.060



44, 3.659, 243.960



43, 43.215, 270.887



9, 15.291, 260.207

Previews

White Background



This preview shows how the CIELCh color 64, 50.134, 57.096 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, 50.134, 57.096 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, 50.134, 57.096

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.134, 57.096.



This preview shows how white text looks on a background with the CIELCh color 64, 50.134, 57.096.

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, 50.134, 57.096

Protanopia

64, 37.602, 95.956

Deuteranopia

64, 43.422, 79.153



Tritanopia
64, 38.802, 16.581

Trichromacy



Original Color
64, 50.134, 57.096

Protanomaly
64, 39.433, 79.113

Deuteranomaly
64, 44.915, 70.137

Tritanomaly
64, 40.293, 33.415

Monochromacy



Original Color
64, 50.134, 57.096

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.900, 61.077

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.134, 57.096 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, 135, 81)` looks like.

```
.text, #text, p{  
    color:rgb(219, 135, 81)  
}
```

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, 135, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 135, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.134, 57.096 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, 135, 81) }
```

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

```
.border{ border-color:rgb(219, 135, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 135, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 135, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 135, 81);  
box-shadow:4px 4px 4px 4px rgb(219, 135,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.134, 57.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 135, 81) }
```

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

```
.background{ background-color: rgb(219,  
135, 81) }
```

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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