

Converting Colors

CIELCh(64, 50.177, 56.361)

Have a look what the booklet for
CIELCh(64, 50.177, 56.361) contains.

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Color

CIELCh(64, 50.204, 56.419)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | DB8651 |
| RGB | 219, 134, 81 |
| RGB Percent | 86%, 53%, 32% |
| CMY | 0.1402, 0.4737, 0.6816 |
| CMYK | 0.00, 0.39, 0.63, 0.14 |
| HSL | 23°, 66%, 59% |
| HSV | 23°, 63%, 86% |
| XYZ | 39.3318, 32.8017, 12.0815 |
| YIQ | 153.3730, 67.6730, 1.5370 |

Conversions

Conversions Part 2

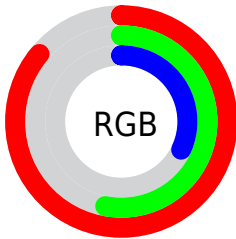
| Format | Color |
|-------------------------------------|--------------------------------|
| R _{YB} | 219, 167, 81 |
| Decimal | 14386769 |
| CIE Lab | 64.00, 27.77, 41.83 |
| CIE LCh | 64, 50.204, 56.419 |
| Yxy | 32.8017, 0.4670, 0.3895 |
| Android (android.graphics.Color) | 4292576849 (0xFFDB8651) |
| YUV | 153.3730, -35.6799, 57.5549 |
| Hunter-Lab | 57.2727, 22.3567, 27.5839 |

Details

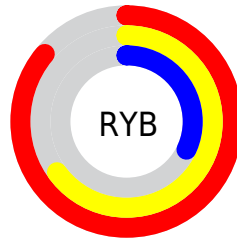
The CIELCh color **64, 50.204, 56.419** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **65, 35.843, 254.265**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 41.672, 64.807**, and **44, 50.072, 56.286** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.646, 55.633**, and if you desaturate by 10%, it is **67, 40.959, 57.185**.

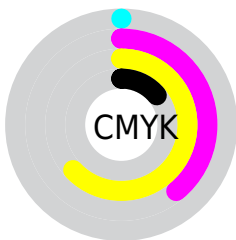
Distribution



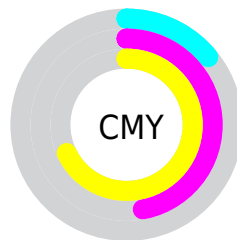
- Red (86%)
- Green (53%)
- Blue (32%)



- Red (86%)
- Yellow (65%)
- Blue (32%)



- Cyan (0%)
- Magenta (39%)
- Yellow (63%)
- Black (14%)



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

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.204, 56.419 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, 50.204, 56.419 by changing the saturation by 10% instead.

64, 50.204, 56.419

64, 50.204, 56.419

100, 50.204,
56.419

54, 50.204, 56.419

84, 50.204, 56.419

44, 50.204, 56.419

94, 50.204, 56.419

34, 50.204, 56.419

24, 50.204, 56.419

14, 50.204, 56.419

4, 50.204, 56.419

0, 50.204, 56.419

64, 50.204, 56.419

64, 50.204, 56.419

61, 59.646, 55.633

67, 40.959, 57.185

58, 68.761, 54.648

71, 32.144, 57.985

55, 76.514, 53.102

75, 23.840, 58.836

53, 80.855, 51.672

78, 16.057, 59.733

82, 8.769, 60.650

86, 1.938, 61.420

90, 4.484, 242.755

94, 10.023,
240.104

98, 12.049,
198.701

Harmonies

Complementary

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



64, 50.204, 56.419



65, 35.843, 254.265

Rectangle

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



64, 50.204, 56.419



64, 50.204, 106.419



64, 50.204, 236.419



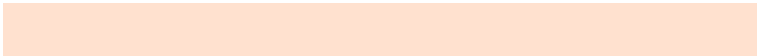
64, 50.204, 286.419

Sweetspot

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



64, 50.203, 56.423



92, 14.828, 60.081



56, 64.786, 344.017



48, 10.304, 59.816



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, 50.203, 56.423



69, 70.708, 55.307



81, 61.537, 98.153



44, 3.797, 60.968



43, 67.509, 52.286



9, 18.825, 46.862

Inverse Universe

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



65, 35.843, 254.265



70, 46.903, 259.499



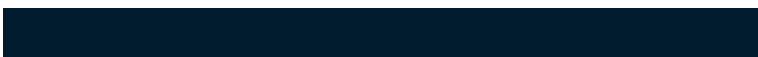
46, 71.726, 296.027



44, 3.649, 243.043



44, 42.589, 269.826



9, 15.133, 259.131

Previews

White Background



This preview shows how the CIELCh color 64, 50.204, 56.419 looks on a white background.

Color Contrast Check

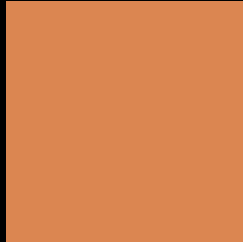
Large Text (above 18pt) WCAG AA × Fail

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, 50.204, 56.419 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

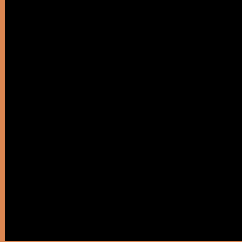
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 50.204, 56.419

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.204, 56.419.



This preview shows how white text looks on a background with the CIELCh color 64, 50.204, 56.419.

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, 50.204, 56.419

Protanopia

64, 37.093, 95.885

Deuteranopia

64, 43.422, 79.153



Tritanopia
64, 39.210, 16.708

Trichromacy



Original Color
64, 50.204, 56.419

Protanomaly
64, 39.187, 78.280

Deuteranomaly
64, 44.915, 70.137

Tritanomaly
64, 40.720, 33.348

Monochromacy



Original Color
64, 50.204, 56.419

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.841, 58.847

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.204, 56.419 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, 81)` looks like.

```
.text, #text, p{  
    color:rgb(219, 134, 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, 134, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 134, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.204, 56.419 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, 81) }
```

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

```
.border{ border-color:rgb(219, 134, 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, 134, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 134, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 134, 81);  
box-shadow:4px 4px 4px 4px rgb(219, 134,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.204, 56.419 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, 81) }
```

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

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