

Converting Colors

CIELCh(64, 50.008, 51.819)

Have a look what the booklet for
CIELCh(64, 50.008, 51.819) contains.

CIELCh(64, 50.065, 52.059)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 50.065, 52.059)

Conversions

Conversions Part 1

Format	Color
Hex	DF8456
RGB	223, 132, 86
RGB Percent	87%, 52%, 34%
CMY	0.1261, 0.4828, 0.6632
CMYK	0.00, 0.41, 0.61, 0.13
HSL	20°, 68%, 61%
HSV	20°, 61%, 87%
XYZ	40.2940, 32.8017, 12.9863
YIQ	153.9650, 69.0020, 4.9860

Conversions

Conversions Part 2

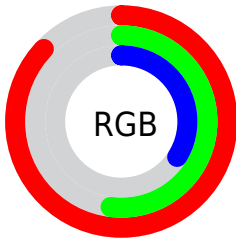
Format	Color
R _{YB}	223, 155, 86
Decimal	14648406
CIE Lab	64.00, 30.78, 39.48
CIE LCh	64, 50.065, 52.059
Yxy	32.8017, 0.4681, 0.3811
Android (android.graphics.Color)	4292838486 (0xFFDF8456)
YUV	153.9650, -33.5067, 60.5437
Hunter-Lab	57.2727, 25.3555, 26.6472

Details

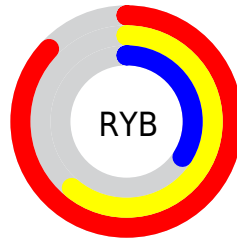
The CIELCh color **64, 50.065, 52.059** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **69, 34.056, 246.603**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 39.604, 60.907**, and **44, 50.157, 52.156** is the 20% darker color. If you saturate the color by 10%, you get **61, 59.961, 51.663**, and if you desaturate by 10%, it is **68, 40.496, 52.499**.

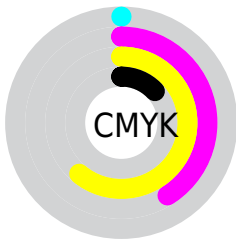
Distribution



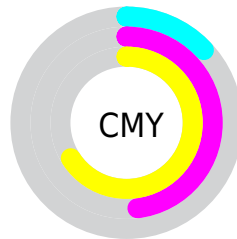
- Red (87%)
- Green (52%)
- Blue (34%)



- Red (87%)
- Yellow (61%)
- Blue (34%)



- Cyan (0%)
- Magenta (41%)
- Yellow (61%)
- Black (13%)



- Cyan (13%)
- Magenta (48%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 50.065, 52.059 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, 50.065, 52.059 by changing the saturation by 10% instead.

64, 50.065, 52.059

64, 50.065, 52.059

100, 50.065,
52.059

54, 50.065, 52.059

84, 50.065, 52.059

44, 50.065, 52.059

94, 50.065, 52.059

34, 50.065, 52.059

24, 50.065, 52.059

14, 50.065, 52.059

4, 50.065, 52.059

0, 50.065, 52.059

64, 50.065, 52.059

64, 50.065, 52.059

61, 59.961, 51.663

68, 40.496, 52.499

57, 69.720, 51.151

72, 31.452, 53.019

55, 78.348, 50.173

76, 22.993, 53.627

53, 84.122, 48.827

80, 15.115, 54.308

84, 7.785, 55.027

88, 0.955, 55.338

92, 5.427, 236.807

97, 9.532, 213.610

98, 10.876,
198.780

Harmonies

Complementary

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



64, 50.065, 52.059



69, 34.056, 246.603

Rectangle

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



64, 50.065, 52.059



64, 50.065, 102.059



64, 50.065, 232.059



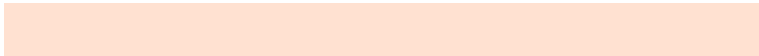
64, 50.065, 282.059

Sweetspot

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



64, 50.064, 52.063



91, 13.970, 54.545



58, 66.397, 341.076



47, 9.812, 54.336



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, 50.064, 52.063



68, 69.784, 51.528



81, 58.735, 95.204



45, 3.850, 55.170



42, 70.106, 49.391



9, 20.579, 42.971

Inverse Universe

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



69, 34.056, 246.603



73, 43.318, 251.216



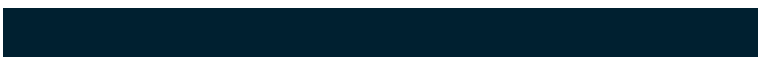
50, 66.460, 293.414



45, 3.675, 236.942



47, 39.317, 262.292



11, 14.782, 252.331

Previews

White Background



This preview shows how the CIELCh color 64, 50.065, 52.059 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, 50.065, 52.059 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, 50.065, 52.059

Background



This preview shows how black text looks on a background with the CIELCh color 64, 50.065, 52.059.



This preview shows how white text looks on a background with the CIELCh color 64, 50.065, 52.059.

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





Tritanopia
64, 41.354, 17.389

Trichromacy



Original Color
64, 50.065, 52.059

Protanomaly
64, 36.628, 75.854

Deuteranomaly
64, 43.704, 67.182

Tritanomaly
64, 42.573, 31.743

Monochromacy



Original Color
64, 50.065, 52.059

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 16.827, 54.357

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 50.065, 52.059 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(223, 132, 86)` looks like.

```
.text, #text, p{  
    color:rgb(223, 132, 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(223, 132, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 132, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 50.065, 52.059 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(223, 132, 86) }
```

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

```
.border{ border-color:rgb(223, 132, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 132, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 132, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 132, 86);  
box-shadow:4px 4px 4px 4px rgb(223, 132,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 50.065, 52.059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 132, 86) }
```

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

```
.background{ background-color: rgb(223,  
132, 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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