

Converting Colors

CIELCh(64, 44.457, 52.202)

Have a look what the booklet for
CIELCh(64, 44.457, 52.202) contains.

CIELCh(64, 44.480, 52.031)	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, 44.480, 52.031)

Conversions

Conversions Part 1

Format	Color
Hex	D9875E
RGB	217, 135, 94
RGB Percent	85%, 53%, 37%
CMY	0.1498, 0.4713, 0.6320
CMYK	0.00, 0.38, 0.57, 0.15
HSL	20°, 62%, 61%
HSV	20°, 57%, 85%
XYZ	39.2043, 32.8017, 14.8142
YIQ	154.8440, 62.0330, 4.6330

Conversions

Conversions Part 2

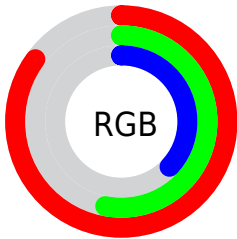
Format	Color
R _{YB}	217, 156, 94
Decimal	14255966
CIE Lab	64.00, 27.37, 35.07
CIE LCh	64, 44.480, 52.031
Yxy	32.8017, 0.4516, 0.3778
Android (android.graphics.Color)	4292446046 (0xFFD9875E)
YUV	154.8440, -29.9961, 54.5108
Hunter-Lab	57.2727, 21.9594, 24.7549

Details

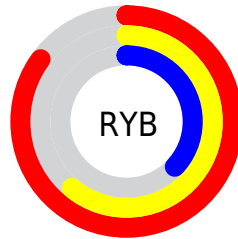
The CIELCh color **64, 44.480, 52.031** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **68, 31.263, 244.807**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 36.538, 59.613**, and **44, 44.628, 52.049** is the 20% darker color. If you saturate the color by 10%, you get **61, 54.051, 51.648**, and if you desaturate by 10%, it is **68, 35.345, 52.492**.

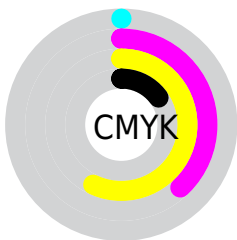
Distribution



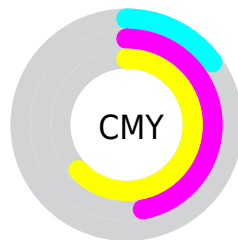
- Red (85%)
- Green (53%)
- Blue (37%)



- Red (85%)
- Yellow (61%)
- Blue (37%)



- Cyan (0%)
- Magenta (38%)
- Yellow (57%)
- Black (15%)



- Cyan (15%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 44.480, 52.031 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, 44.480, 52.031 by changing the saturation by 10% instead.

64, 44.480, 52.031

64, 44.480, 52.031

100, 44.480,
52.031

54, 44.480, 52.031

84, 44.480, 52.031

44, 44.480, 52.031

94, 44.480, 52.031

34, 44.480, 52.031

24, 44.480, 52.031

14, 44.480, 52.031

4, 44.480, 52.031

0, 44.480, 52.031

64, 44.480, 52.031

64, 44.480, 52.031

61, 54.051, 51.648

68, 35.345, 52.492

57, 63.761, 51.242

72, 26.765, 53.040

54, 72.922, 50.579

76, 18.762, 53.672

52, 80.281, 49.194

80, 11.316, 54.364

51, 82.457, 48.756

84, 4.386, 55.055

88, 2.077, 236.221

92, 8.126, 236.852

96, 11.481,
210.563

97, 12.838,
198.648

Harmonies

Complementary

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



64, 44.480, 52.031



68, 31.263, 244.807

Rectangle

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



64, 44.480, 52.031



64, 44.480, 102.031



64, 44.480, 232.031



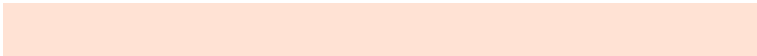
64, 44.480, 282.031

Sweetspot

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



64, 44.479, 52.035



92, 13.147, 54.333



58, 60.903, 340.515



48, 8.859, 54.190



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, 44.479, 52.035



70, 63.194, 51.577



79, 53.426, 95.776



44, 3.778, 54.879



41, 69.417, 49.298



8, 19.306, 41.801

Inverse Universe

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



68, 31.263, 244.807



75, 40.746, 248.562



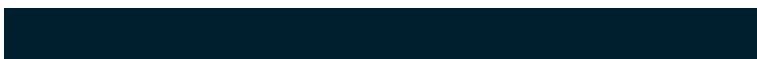
51, 59.447, 292.157



44, 3.606, 236.629



46, 38.701, 261.818



10, 14.190, 251.259

Previews

White Background



This preview shows how the CIELCh color 64, 44.480, 52.031 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, 44.480, 52.031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

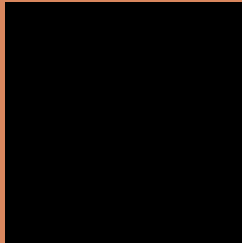
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 44.480, 52.031

Background



This preview shows how black text looks on a background with the CIELCh color 64, 44.480, 52.031.



This preview shows how white text looks on a background with the CIELCh color 64, 44.480, 52.031.

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, 37.496, 15.322

Trichromacy



Original Color
64, 44.480, 52.031

Protanomaly
64, 32.244, 75.799

Deuteranomaly
64, 38.573, 66.387

Tritanomaly
64, 37.976, 29.818

Monochromacy



Original Color
64, 44.480, 52.031

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 14.672, 54.676

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 44.480, 52.031 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(217, 135, 94)` looks like.

```
.text, #text, p{  
    color:rgb(217, 135, 94)  
}
```

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(217, 135, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 135, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 44.480, 52.031 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(217, 135, 94) }
```

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

```
.border{ border-color:rgb(217, 135, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 135, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 135, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 135, 94);  
box-shadow:4px 4px 4px 4px rgb(217, 135,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 44.480, 52.031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 135, 94) }
```

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

```
.background{ background-color: rgb(217,  
135, 94) }
```

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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