

# Converting Colors

CIELCh(64, 32.396, 53.298)

Have a look what the booklet for  
CIELCh(64, 32.396, 53.298) contains.

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# Color

**CIELCh(64, 32.344, 52.927)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA8D6E
RGB	202, 141, 110
RGB Percent	79%, 55%, 43%
CMY	0.2072, 0.4465, 0.5681
CMYK	0.00, 0.30, 0.46, 0.21
HSL	20°, 47%, 61%
HSV	20°, 46%, 79%
XYZ	36.7703, 32.8017, 19.1856
YIQ	155.7050, 46.3070, 3.2910

# Conversions

## Conversions Part 2

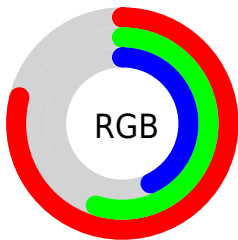
Format	Color
R <sub>Y</sub> B	202, 157, 110
Decimal	13274478
CIE Lab	64.00, 19.50, 25.81
CIE LCh	64, 32.344, 52.927
Yxy	32.8017, 0.4143, 0.3696
Android (android.graphics.Color)	4291464558 (0xFFCA8D6E)
YUV	155.7050, -22.5326, 40.6007
Hunter-Lab	57.2727, 14.3735, 20.2296

# Details

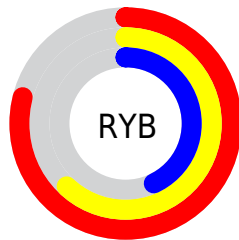
The CIELCh color **64, 32.344, 52.927** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **67, 24.738, 242.504**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 30.246, 55.345**, and **44, 32.181, 52.461** is the 20% darker color. If you saturate the color by 10%, you get **61, 40.886, 52.441**, and if you desaturate by 10%, it is **68, 24.323, 53.511**.

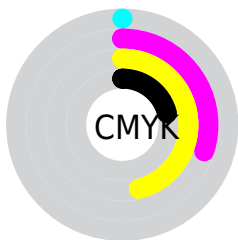
# Distribution



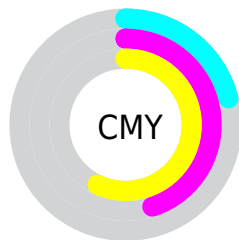
- Red (79%)
- Green (55%)
- Blue (43%)



- Red (79%)
- Yellow (62%)
- Blue (43%)



- Cyan (0%)
- Magenta (30%)
- Yellow (46%)
- Black (21%)



- Cyan (21%)
- Magenta (45%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 32.344, 52.927 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, 32.344, 52.927 by changing the saturation by 10% instead.



64, 32.344, 52.927

64, 32.344, 52.927

100, 32.344,  
52.927

54, 32.344, 52.927

84, 32.344, 52.927

44, 32.344, 52.927

94, 32.344, 52.927

34, 32.344, 52.927

24, 32.344, 52.927

14, 32.344, 52.927

4, 32.344, 52.927

0, 32.344, 52.927

64, 32.344, 52.927

64, 32.344, 52.927

61, 40.886, 52.441

68, 24.323, 53.511

57, 49.862, 52.021

71, 16.842, 54.169

54, 59.022, 51.598

75, 9.877, 54.881

51, 67.795, 50.967

79, 3.388, 55.566

49, 75.065, 49.689

83, 2.670, 236.704

48, 77.967, 49.107

87, 8.346, 237.407

91, 13.684,  
238.216

95, 15.520,  
211.239

97, 17.438,  
198.350

# Harmonies

# Complementary

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



64, 32.344, 52.927



67, 24.738, 242.504

# Rectangle

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



64, 32.344, 52.927



64, 32.344, 102.927



64, 32.344, 232.927



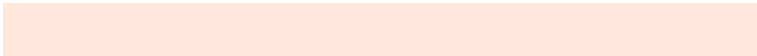
64, 32.344, 282.927

# Sweetspot

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



64, 32.343, 52.932



93, 10.707, 54.977



59, 47.364, 339.324



49, 7.450, 54.818



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, 32.343, 52.932



75, 48.944, 52.430



76, 40.971, 97.126



41, 3.558, 55.319



39, 66.924, 49.621



6, 15.015, 40.295





# Inverse Universe

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



67, 24.738, 242.504



80, 34.826, 245.016



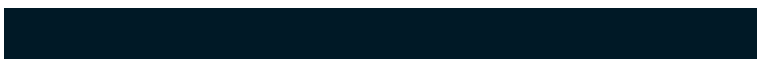
54, 44.147, 289.471



41, 3.399, 237.083



44, 37.596, 262.234



8, 12.456, 250.637



# Previews

## White Background



This preview shows how the CIELCh color 64, 32.344, 52.927 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, 32.344, 52.927 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

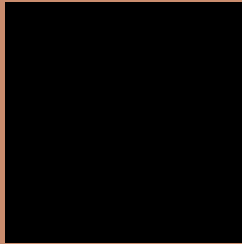
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 32.344, 52.927

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.344, 52.927.



This preview shows how white text looks on a background with the CIELCh color 64, 32.344, 52.927.

# 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, 32.344, 52.927

### Protanopia

64, 22.150, 94.581

### Deuteranopia

64, 27.419, 72.985



**Tritanopia**  
64, 28.328, 10.211



# Trichromacy



**Original Color**  
64, 32.344, 52.927

**Protanomaly**  
64, 23.950, 75.468

**Deuteranomaly**  
64, 28.829, 65.077

**Tritanomaly**  
64, 27.637, 26.690

# Monochromacy



**Original Color**  
64, 32.344, 52.927

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 11.172, 56.452

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 32.344, 52.927 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(202, 141, 110)` looks like.

```
.text, #text, p{  
    color:rgb(202, 141, 110)  
}
```

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(202, 141, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 141, 110) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 32.344, 52.927 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(202, 141, 110) }
```

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

```
.border{ border-color:rgb(202, 141, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 141, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 141, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 141, 110);  
box-shadow:4px 4px 4px 4px rgb(202, 141,  
110) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 32.344, 52.927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 141, 110) }
```

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

```
.background{ background-color: rgb(202,  
141, 110) }
```

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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