

# Converting Colors

CIELCh(63, 52.045, 64.872)

Have a look what the booklet for  
CIELCh(63, 52.045, 64.872) contains.

<b>CIELCh(63, 52.115, 64.832)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	20
<i><b>Color Blindness Simulation</b></i> .....	23
<i><b>CSS Examples</b></i> .....	26

# Color

**CIELCh(63, 52.115, 64.832)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D28844
RGB	210, 136, 68
RGB Percent	82%, 53%, 27%
CMY	0.1779, 0.4678, 0.7345
CMYK	0.00, 0.35, 0.68, 0.18
HSL	29°, 61%, 54%
HSV	29°, 68%, 82%
XYZ	36.2744, 31.5869, 9.6077
YIQ	150.3740, 65.9320, -5.4600

# Conversions

## Conversions Part 2

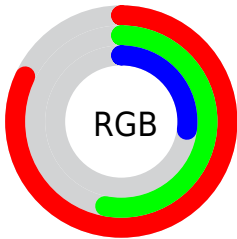
Format	Color
R <sub>Y</sub> B	210, 198, 68
Decimal	13797444
CIE Lab	63.00, 22.16, 47.17
CIE LCh	63, 52.115, 64.832
Yxy	31.5869, 0.4682, 0.4077
Android (android.graphics.Color)	4291987524 (0xFFD28844)
YUV	150.3740, -40.6104, 52.2920
Hunter-Lab	56.2022, 16.8548, 29.2061

# Details

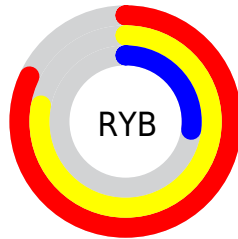
The CIELCh color **63, 52.115, 64.832** is a dark color, and the websafe version is hex **FF9966**. The color can be described as middle muted orange. A complement of this color would be **57, 41.696, 268.295**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 47.328, 70.804**, and **43, 52.149, 64.916** is the 20% darker color. If you saturate the color by 10%, you get **60, 60.397, 63.401**, and if you desaturate by 10%, it is **66, 43.599, 66.116**.

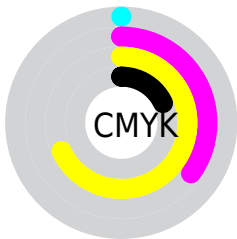
# Distribution



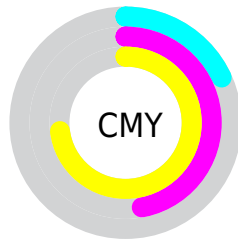
- Red (82%)
- Green (53%)
- Blue (27%)



- Red (82%)
- Yellow (78%)
- Blue (27%)



- Cyan (0%)
- Magenta (35%)
- Yellow (68%)
- Black (18%)



- Cyan (18%)
- Magenta (47%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 52.115, 64.832 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 63, 52.115, 64.832 by changing the saturation by 10% instead.



63, 52.115, 64.832

63, 52.115, 64.832

100, 52.115,  
64.832

53, 52.115, 64.832

83, 52.115, 64.832

43, 52.115, 64.832

93, 52.115, 64.832

33, 52.115, 64.832

23, 52.115, 64.832

13, 52.115, 64.832

3, 52.115, 64.832

0, 52.115, 64.832

63, 52.115, 64.832

63, 52.115, 64.832

60, 60.397, 63.401

66, 43.599, 66.116

58, 67.733, 61.594

69, 35.222, 67.343

55, 73.179, 59.106

72, 27.149, 68.556

55, 74.353, 58.550

75, 19.442, 69.766

78, 12.111, 70.966

82, 5.137, 72.123

85, 1.507, 253.648

88, 7.853, 254.591

92, 13.368,  
253.771

# Harmonies

# Complementary

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



63, 52.115, 64.832



57, 41.696, 268.295

# Rectangle

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



63, 52.115, 64.832



63, 52.115, 114.832



63, 52.115, 244.832



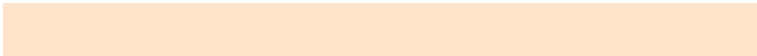
63, 52.115, 294.832

# Sweetspot

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



63, 52.114, 64.836



92, 16.143, 70.665



52, 63.062, 349.940



48, 11.094, 70.324



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



63, 52.114, 64.836



71, 73.791, 62.704



81, 67.212, 102.393



42, 3.793, 71.934



44, 62.911, 59.181



9, 15.719, 56.026





# Inverse Universe

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



57, 41.696, 268.295



63, 57.645, 274.084



39, 82.444, 300.267



42, 3.699, 254.374



37, 50.377, 281.582



6, 15.752, 270.008



# Previews

## White Background



This preview shows how the CIELCh color 63, 52.115, 64.832 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 63, 52.115, 64.832 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

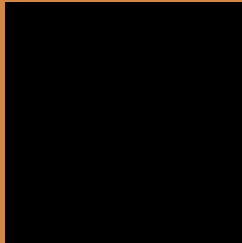
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 63, 52.115, 64.832

## Background



This preview shows how black text looks on a background with the CIELCh color 63, 52.115, 64.832.



This preview shows how white text looks on a background with the CIELCh color 63, 52.115, 64.832.

# 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

63, 52.115, 64.832

### Protanopia

63, 43.745, 95.879

### Deuteranopia

63, 48.570, 79.944



**Tritanopia**  
63, 35.529, 15.495



# Trichromacy



**Original Color**  
63, 52.115, 64.832

**Protanomaly**  
63, 44.999, 83.402

**Deuteranomaly**  
63, 49.399, 74.468

**Tritanomaly**  
63, 37.383, 38.832

# Monochromacy



**Original Color**  
63, 52.115, 64.832

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 18.174, 69.695

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 63, 52.115, 64.832 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(210, 136, 68)` looks like.

```
.text, #text, p{  
    color:rgb(210, 136, 68)  
}
```

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(210, 136, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 136, 68) }
```

## Border

The CSS property to change the border of an element to CIELCh 63, 52.115, 64.832 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(210, 136, 68) }
```

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

```
.border{ border-color:rgb(210, 136, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 136, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 136, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 136, 68);  
box-shadow:4px 4px 4px 4px rgb(210, 136,  
68) }
```

# Background

The CSS property to change the background color of an element to CIELCh 63, 52.115, 64.832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 136, 68) }
```

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

```
.background{ background-color: rgb(210,  
136, 68) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor