

# Converting Colors

CIELCh(61, 35.660, 52.344)

Have a look what the booklet for  
CIELCh(61, 35.660, 52.344) contains.

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**Color**

**CIELCh(61, 35.894, 52.978)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C68462
RGB	198, 132, 98
RGB Percent	78%, 52%, 38%
CMY	0.2249, 0.4836, 0.6169
CMYK	0.00, 0.33, 0.51, 0.22
HSL	20°, 47%, 58%
HSV	20°, 51%, 78%
XYZ	33.5916, 29.2481, 15.3543
YIQ	147.8580, 50.2500, 3.4180

# Conversions

## Conversions Part 2

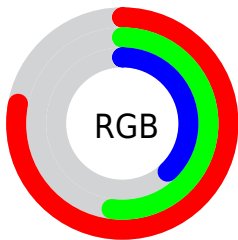
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">198, 150, 98</a>
Decimal	<a href="#">13010018</a>
CIELab	<a href="#">61.00, 21.61, 28.66</a>
CIELCh	<a href="#">61, 35.894, 52.978</a>
Yxy	<a href="#">29.2481, 0.4296, 0.3740</a>
Android (android.graphics.Color)	<a href="#">4291200098 (0xFFC68462)</a>
YUV	<a href="#">147.8580, -24.5800, 43.9745</a>
Hunter-Lab	<a href="#">54.0815, 16.2286, 21.0240</a>

# Details

The CIELCh color **61, 35.894, 52.978** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **64, 26.582, 244.111**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 35.204, 53.393**, and **41, 35.741, 52.839** is the 20% darker color. If you saturate the color by 10%, you get **58, 44.495, 52.510**, and if you desaturate by 10%, it is **64, 27.769, 53.537**.

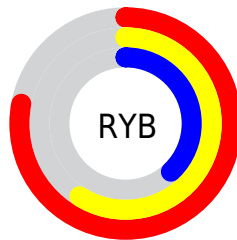
# Distribution



Red (78%)

Green (52%)

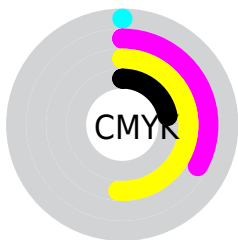
Blue (38%)



Red (78%)

Yellow (59%)

Blue (38%)

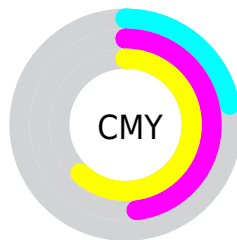


Cyan (0%)

Magenta (33%)

Yellow (51%)

Black (22%)



Cyan (22%)

Magenta (48%)

Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 35.894, 52.978 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 61, 35.894, 52.978 by changing the saturation by 10% instead.



61, 35.894, 52.978

61, 35.894, 52.978

100, 35.894,  
52.978

51, 35.894, 52.978

81, 35.894, 52.978

41, 35.894, 52.978

91, 35.894, 52.978

31, 35.894, 52.978

21, 35.894, 52.978

11, 35.894, 52.978

1, 35.894, 52.978

0, 35.894, 52.978

61, 35.894, 52.978

61, 35.894, 52.978

58, 44.495, 52.510

64, 27.769, 53.537

55, 53.424, 52.080

68, 20.169, 54.173

52, 62.306, 51.564

72, 13.086, 54.875

49, 70.337, 50.655

76, 6.488, 55.609

47, 76.486, 49.329

80, 0.334, 55.054

83, 5.425, 237.409

87, 10.833,  
238.204

91, 15.696,  
237.757

95, 17.043,  
208.771

# Harmonies

# Complementary

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



61, 35.894, 52.978



64, 26.582, 244.111

# Rectangle

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



61, 35.894, 52.978



61, 35.894, 102.978



61, 35.894, 232.978



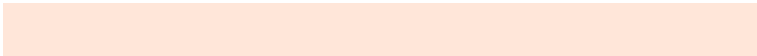
61, 35.894, 282.978

# Sweetspot

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



61, 35.893, 52.983



93, 11.513, 55.267



55, 51.200, 339.822



49, 7.915, 55.110



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



61, 35.893, 52.983



73, 55.352, 52.451



73, 44.516, 96.539



40, 3.485, 55.693



39, 66.022, 49.837



6, 13.364, 41.132





# Inverse Universe

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



64, 26.582, 244.111



77, 37.832, 247.256



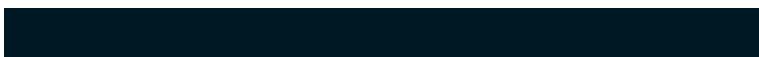
50, 48.587, 290.590



40, 3.331, 237.473



43, 37.347, 262.682



7, 11.738, 251.353



# Previews

## White Background



This preview shows how the CIELCh color 61, 35.894, 52.978 looks on a white background.

## Color Contrast Check

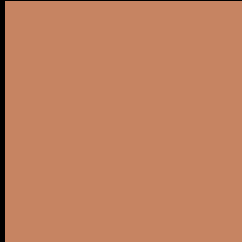
Large Text (above 18pt) WCAG AA ✓ Pass

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 61, 35.894, 52.978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

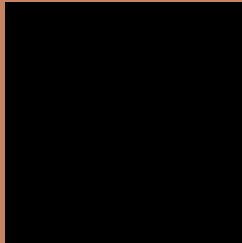
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# CIELCh 61, 35.894, 52.978

## Background



This preview shows how black text looks on a background with the CIELCh color 61, 35.894, 52.978.



This preview shows how white text looks on a background with the CIELCh color 61, 35.894, 52.978.

# 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**  
61, 30.655, 13.598



# Trichromacy



**Original Color**  
61, 35.894, 52.978

**Protanomaly**  
61, 26.215, 75.275

**Deuteranomaly**  
61, 31.593, 66.074

**Tritanomaly**  
61, 30.628, 29.751

# Monochromacy



**Original Color**  
61, 35.894, 52.978

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 12.012, 54.036

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 61, 35.894, 52.978 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(198, 132, 98)` looks like.

```
.text, #text, p{  
    color:rgb(198, 132, 98)  
}
```

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(198, 132, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 132, 98) }
```

## Border

The CSS property to change the border of an element to CIELCh 61, 35.894, 52.978 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(198, 132, 98) }
```

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

```
.border{ border-color:rgb(198, 132, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 132, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 132, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 132, 98);  
box-shadow:4px 4px 4px 4px rgb(198, 132,  
98) }
```

# Background

The CSS property to change the background color of an element to CIELCh 61, 35.894, 52.978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 132, 98) }
```

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

```
.background{ background-color: rgb(198,  
132, 98) }
```

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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