

# Converting Colors

CIELCh(62, 44.723, 61.144)

Have a look what the booklet for  
CIELCh(62, 44.723, 61.144) contains.

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# Color

**CIELCh(62, 44.723, 61.144)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8651
RGB	204, 134, 81
RGB Percent	80%, 53%, 32%
CMY	0.2008, 0.4752, 0.6830
CMYK	0.00, 0.34, 0.60, 0.20
HSL	26°, 55%, 56%
HSV	26°, 60%, 80%
XYZ	34.8269, 30.4025, 11.7848
YIQ	148.8880, 58.7330, -1.6430

# Conversions

## Conversions Part 2

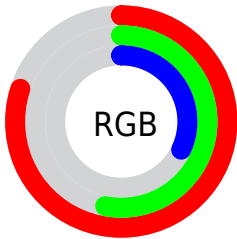
Format	Color
R <sub>Y</sub> B	204, 174, 81
Decimal	13403729
CIE Lab	62.00, 21.58, 39.17
CIE LCh	62, 44.723, 61.144
Yxy	30.4025, 0.4522, 0.3948
Android (android.graphics.Color)	4291593809 (0xFFCC8651)
YUV	148.8880, -33.4688, 48.3332
Hunter-Lab	55.1385, 16.2530, 25.9248

# Details

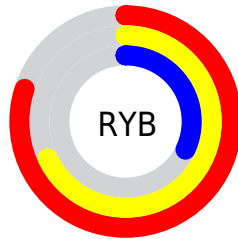
The CIELCh color **62, 44.723, 61.144** is a dark color, and the websafe version is hex **CC9966**. The color can be described as middle muted orange. A complement of this color would be **60, 34.426, 259.714**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 41.626, 63.979**, and **42, 44.900, 61.280** is the 20% darker color. If you saturate the color by 10%, you get **59, 53.313, 60.081**, and if you desaturate by 10%, it is **65, 36.310, 62.175**.

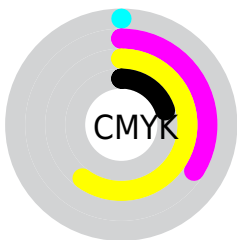
# Distribution



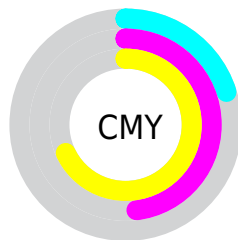
- Red (80%)
- Green (53%)
- Blue (32%)



- Red (80%)
- Yellow (68%)
- Blue (32%)



- Cyan (0%)
- Magenta (34%)
- Yellow (60%)
- Black (20%)



- Cyan (20%)
- Magenta (48%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 44.723, 61.144 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 62, 44.723, 61.144 by changing the saturation by 10% instead.



62, 44.723, 61.144

62, 44.723, 61.144

100, 44.723,  
61.144

52, 44.723, 61.144

82, 44.723, 61.144

42, 44.723, 61.144

92, 44.723, 61.144

32, 44.723, 61.144

22, 44.723, 61.144

12, 44.723, 61.144

2, 44.723, 61.144

0, 44.723, 61.144

62, 44.723, 61.144

62, 44.723, 61.144

59, 53.313, 60.081

65, 36.310, 62.175

56, 61.674, 58.847

68, 28.256, 63.211

54, 69.002, 57.169

72, 20.624, 64.269

52, 74.508, 55.002

75, 13.420, 65.341

78, 6.625, 66.403

82, 0.203, 65.456

85, 5.883, 248.718

89, 11.669,  
249.746

92, 14.082,  
237.092

# Harmonies

# Complementary

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



62, 44.723, 61.144



60, 34.426, 259.714

# Rectangle

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



62, 44.723, 61.144



62, 44.723, 111.144



62, 44.723, 241.144



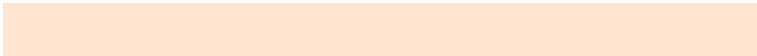
62, 44.723, 291.144

# Sweetspot

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



62, 44.722, 61.148



93, 14.162, 65.566



53, 58.012, 345.532



48, 9.926, 65.250



0, 0.000, 0.000



53, 0.007, 296.813



# Same Dimension

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



62, 44.722, 61.148



72, 65.758, 59.784



77, 57.455, 100.358



41, 3.629, 66.499



42, 63.626, 55.599



7, 14.501, 49.522





# Inverse Universe

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



60, 34.426, 259.714



69, 48.022, 264.341



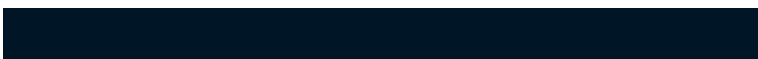
44, 67.059, 296.660



41, 3.514, 248.782



39, 45.136, 275.979

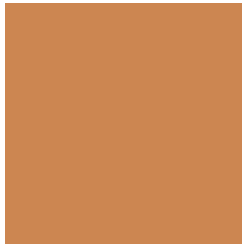


6, 13.882, 264.053



# Previews

## White Background



This preview shows how the CIELCh color 62, 44.723, 61.144 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 CIE LCh color 62, 44.723, 61.144 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

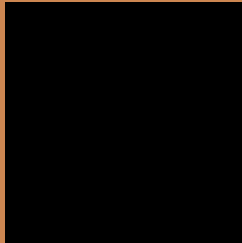
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 44.723, 61.144

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 44.723, 61.144.



This preview shows how white text looks on a background with the CIELCh color 62, 44.723, 61.144.

# 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

62, 44.723, 61.144

### Protanopia

62, 35.249, 95.381

### Deuteranopia

62, 40.379, 78.601



**Tritanopia**  
62, 33.514, 13.831



# Trichromacy



**Original Color**  
62, 44.723, 61.144

**Protanomaly**  
62, 36.576, 80.887

**Deuteranomaly**  
62, 41.270, 72.046

**Tritanomaly**  
62, 34.150, 33.834

# Monochromacy



**Original Color**  
62, 44.723, 61.144

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
61, 15.322, 63.729

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 44.723, 61.144 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(204, 134, 81)` looks like.

```
.text, #text, p{  
    color:rgb(204, 134, 81)  
}
```

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(204, 134, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 134, 81) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 44.723, 61.144 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(204, 134, 81) }
```

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

```
.border{ border-color:rgb(204, 134, 81) }
```

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

Here you see how a box with a 4 pixel rgb(204, 134, 81) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 134, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 134, 81);  
box-shadow:4px 4px 4px 4px rgb(204, 134,  
81) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 44.723, 61.144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 134, 81) }
```

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

```
.background{ background-color: rgb(204,  
134, 81) }
```

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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