

# Converting Colors

CIELCh(62, 52.478, 65.935)

Have a look what the booklet for  
CIELCh(62, 52.478, 65.935) contains.

<b>CIELCh(62, 52.410, 65.980)</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(62, 52.410, 65.980)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE8640
RGB	206, 134, 64
RGB Percent	81%, 53%, 25%
CMY	0.1936, 0.4757, 0.7502
CMYK	0.00, 0.35, 0.69, 0.19
HSL	30°, 59%, 53%
HSV	30°, 69%, 81%
XYZ	34.7540, 30.4025, 8.8429
YIQ	147.5480, 65.3820, -6.5060

# Conversions

## Conversions Part 2

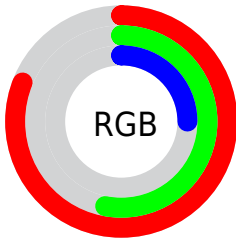
Format	Color
R <sub>Y</sub> B	206, 202, 64
Decimal	13534784
CIE Lab	62.00, 21.33, 47.87
CIE LCh	62, 52.410, 65.980
Yxy	30.4025, 0.4697, 0.4108
Android (android.graphics.Color)	4291724864 (0xFFCE8640)
YUV	147.5480, -41.1892, 51.2624
Hunter-Lab	55.1385, 16.0168, 29.0883

# Details

The CIELCh color **62, 52.410, 65.980** is a dark color, and the websafe version is hex **CC9933**. The color can be described as middle muted orange. A complement of this color would be **55, 42.693, 270.369**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.754, 69.835**, and **42, 52.488, 66.032** is the 20% darker color. If you saturate the color by 10%, you get **59, 60.380, 64.460**, and if you desaturate by 10%, it is **65, 44.103, 67.328**.

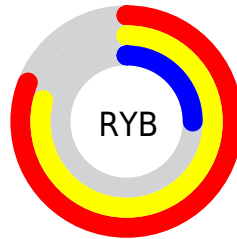
# Distribution



Red (81%)

Green (53%)

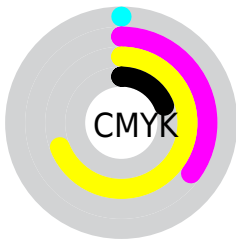
Blue (25%)



Red (81%)

Yellow (79%)

Blue (25%)

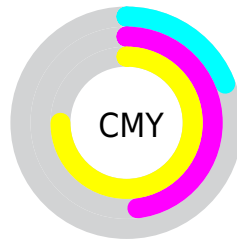


Cyan (0%)

Magenta (35%)

Yellow (69%)

Black (19%)



Cyan (19%)

Magenta (48%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 52.410, 65.980 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, 52.410, 65.980 by changing the saturation by 10% instead.



62, 52.410, 65.980

62, 52.410, 65.980

100, 52.410,  
65.980

52, 52.410, 65.980

82, 52.410, 65.980

42, 52.410, 65.980

92, 52.410, 65.980

32, 52.410, 65.980

22, 52.410, 65.980

12, 52.410, 65.980

2, 52.410, 65.980

0, 52.410, 65.980

62, 52.410, 65.980

62, 52.410, 65.980

59, 60.380, 64.460

65, 44.103, 67.328

57, 67.262, 62.526

68, 35.866, 68.605

55, 72.315, 59.966

70, 27.888, 69.858

55, 72.804, 59.733

74, 20.243, 71.101

77, 12.949, 72.330

80, 5.995, 73.521

83, 0.644, 255.380

86, 6.997, 256.017

89, 13.095,  
257.132

# Harmonies

# Complementary

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



62, 52.410, 65.980



55, 42.693, 270.369

# Rectangle

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



62, 52.410, 65.980



62, 52.410, 115.980



62, 52.410, 245.980



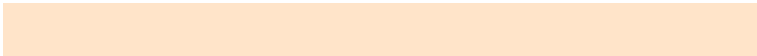
62, 52.410, 295.980

# Sweetspot

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



62, 52.409, 65.983



92, 17.116, 72.056



50, 62.462, 351.316



48, 11.664, 71.713



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, 52.409, 65.983



71, 75.303, 63.561



80, 68.039, 103.163



41, 3.748, 73.479



44, 61.817, 60.362



8, 14.353, 56.965





# Inverse Universe

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



55, 42.693, 270.369



61, 60.474, 276.537



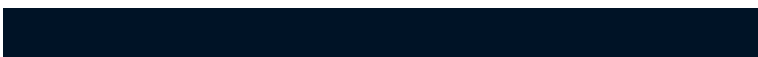
37, 84.318, 301.085



41, 3.664, 255.942



36, 51.186, 282.984



6, 15.018, 270.560



# Previews

## White Background



This preview shows how the CIELCh color 62, 52.410, 65.980 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 62, 52.410, 65.980 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

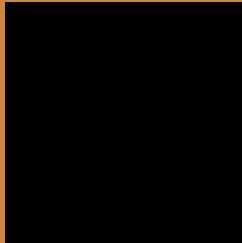
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 52.410, 65.980

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 52.410, 65.980.



This preview shows how white text looks on a background with the CIELCh color 62, 52.410, 65.980.

# 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, 52.410, 65.980

### Protanopia

62, 44.400, 95.230

### Deuteranopia

62, 49.313, 80.639



**Tritanopia**  
62, 34.801, 15.264



# Trichromacy



**Original Color**  
62, 52.410, 65.980

**Protanomaly**  
62, 45.583, 83.418

**Deuteranomaly**  
62, 50.100, 75.212

**Tritanomaly**  
62, 36.928, 39.910

# Monochromacy



**Original Color**  
62, 52.410, 65.980

**Achromatopsia**  
61, 0.008, 296.813

**Achromatomaly**  
61, 17.978, 70.682

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 52.410, 65.980 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(206, 134, 64)` looks like.

```
.text, #text, p{  
    color:rgb(206, 134, 64)  
}
```

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(206, 134, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 134, 64) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 52.410, 65.980 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(206, 134, 64) }
```

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

```
.border{ border-color:rgb(206, 134, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 134, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 134, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 134, 64);  
box-shadow:4px 4px 4px 4px rgb(206, 134,  
64) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 52.410, 65.980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 134, 64) }
```

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

```
.background{ background-color: rgb(206,  
134, 64) }
```

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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