

Converting Colors

CIELCh(62, 49.808, 69.738)

Have a look what the booklet for
CIELCh(62, 49.808, 69.738) contains.

CIELCh(62, 49.806, 69.727)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 49.806, 69.727)

Conversions

Conversions Part 1

Format	Color
Hex	C88942
RGB	200, 137, 66
RGB Percent	78%, 54%, 26%
CMY	0.2173, 0.4641, 0.7425
CMYK	0.00, 0.32, 0.67, 0.22
HSL	32°, 55%, 52%
HSV	32°, 67%, 78%
XYZ	33.5788, 30.4025, 9.2001
YIQ	147.7430, 60.3390, -8.7250

Conversions

Conversions Part 2

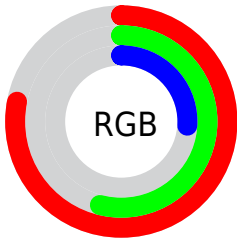
Format	Color
RYB	185, 200, 66
Decimal	13142338
CIELab	62.00, 17.26, 46.72
CIELCh	62, 49.806, 69.727
Yxy	30.4025, 0.4588, 0.4154
Android (android.graphics.Color)	4291332418 (0xFFC88942)
YUV	147.7430, -40.2993, 45.8294
Hunter-Lab	55.1385, 12.2124, 28.7042

Details

The CIELCh color **62, 49.806, 69.727** 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 **53, 42.925, 273.565**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 48.193, 71.365**, and **42, 49.958, 69.639** is the 20% darker color. If you saturate the color by 10%, you get **60, 57.437, 68.140**, and if you desaturate by 10%, it is **65, 41.843, 71.162**.

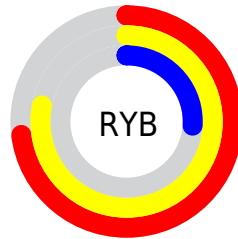
Distribution



Red (78%)

Green (54%)

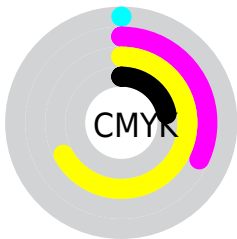
Blue (26%)



Red (73%)

Yellow (78%)

Blue (26%)

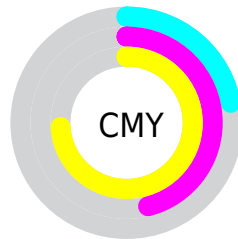


Cyan (0%)

Magenta (32%)

Yellow (67%)

Black (22%)



Cyan (22%)

Magenta (46%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 49.806, 69.727 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, 49.806, 69.727 by changing the saturation by 10% instead.

62, 49.806, 69.727

62, 49.806, 69.727

100, 49.806,
69.727

52, 49.806, 69.727

82, 49.806, 69.727

42, 49.806, 69.727

92, 49.806, 69.727

32, 49.806, 69.727

22, 49.806, 69.727

12, 49.806, 69.727

2, 49.806, 69.727

0, 49.806, 69.727

62, 49.806, 69.727

62, 49.806, 69.727

60, 57.437, 68.140

65, 41.843, 71.162

57, 64.076, 66.203

67, 33.912, 72.524

55, 68.865, 63.648

70, 26.184, 73.852

55, 70.141, 62.910

73, 18.731, 75.156

75, 11.574, 76.433

78, 4.705, 77.652

81, 1.893, 259.137

84, 8.245, 260.189

87, 14.376,
261.322

Harmonies

Complementary

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



62, 49.806, 69.727



53, 42.925, 273.565

Rectangle

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



62, 49.806, 69.727



62, 49.806, 119.727



62, 49.806, 249.727



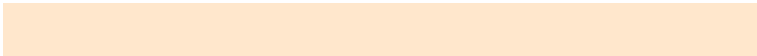
62, 49.806, 299.727

Sweetspot

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



62, 49.805, 69.731



93, 16.623, 76.030



49, 58.945, 353.178



49, 11.409, 75.666



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, 49.805, 69.731



73, 73.338, 67.218



78, 65.889, 104.974



40, 3.765, 77.385



45, 60.266, 63.498



8, 12.995, 61.186

Inverse Universe

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



53, 42.925, 273.565



60, 63.031, 279.460



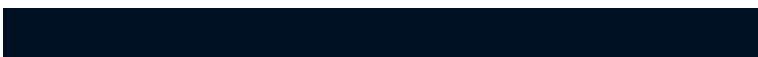
36, 81.163, 301.406



40, 3.700, 259.892



34, 54.364, 286.441



5, 14.507, 272.758

Previews

White Background



This preview shows how the CIELCh color 62, 49.806, 69.727 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, 49.806, 69.727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

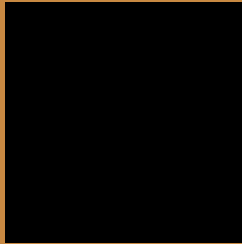
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 49.806, 69.727

Background



This preview shows how black text looks on a background with the CIELCh color 62, 49.806, 69.727.



This preview shows how white text looks on a background with the CIELCh color 62, 49.806, 69.727.

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, 49.806, 69.727

Protanopia

62, 43.922, 95.185

Deuteranopia

62, 47.768, 80.642



Tritanopia
62, 31.391, 13.893

Trichromacy



Original Color
62, 49.806, 69.727

Protanomaly
62, 44.982, 85.066

Deuteranomaly
62, 48.160, 76.658

Tritanomaly
62, 33.372, 41.421

Monochromacy



Original Color
62, 49.806, 69.727

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 17.639, 74.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 49.806, 69.727 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(200, 137, 66)` looks like.

```
.text, #text, p{  
    color:rgb(200, 137, 66)  
}
```

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(200, 137, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 137, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 49.806, 69.727 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(200, 137, 66) }
```

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

```
.border{ border-color:rgb(200, 137, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 137, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 137, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 137, 66);  
box-shadow:4px 4px 4px 4px rgb(200, 137,  
66) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 49.806, 69.727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 137, 66) }
```

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

```
.background{ background-color: rgb(200,  
137, 66) }
```

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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