

Converting Colors

CIELCh(62, 50.234, 98.012)

Have a look what the booklet for
CIELCh(62, 50.234, 98.012) contains.

CIELCh(62, 50.039, 97.760)	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, 50.039, 97.760)

Conversions

Conversions Part 1

Format	Color
Hex	A49739
RGB	164, 151, 57
RGB Percent	64%, 59%, 22%
CMY	0.3561, 0.4071, 0.7758
CMYK	0.00, 0.08, 0.65, 0.36
HSL	53°, 48%, 43%
HSV	53°, 65%, 64%
XYZ	27.1893, 30.4025, 8.3296
YIQ	144.1710, 37.9220, -26.4780

Conversions

Conversions Part 2

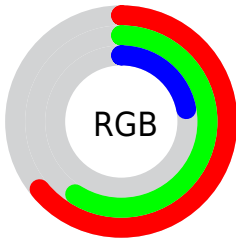
Format	Color
RYB	72, 164, 57
Decimal	10786617
CIELab	62.00, -6.76, 49.58
CIELCh	62, 50.039, 97.760
Yxy	30.4025, 0.4125, 0.4612
Android (android.graphics.Color)	4288976697 (0xFFA49739)
YUV	144.1710, -42.9753, 17.3900
Hunter-Lab	55.1385, -8.4722, 29.6402

Details

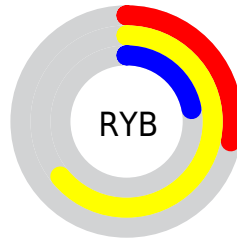
The CIELCh color **62, 50.039, 97.760** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **34, 58.424, 296.059**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 49.824, 97.936**, and **42, 48.984, 97.564** is the 20% darker color. If you saturate the color by 10%, you get **61, 55.969, 96.754**, and if you desaturate by 10%, it is **63, 43.177, 98.811**.

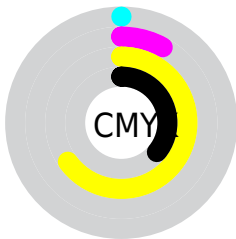
Distribution



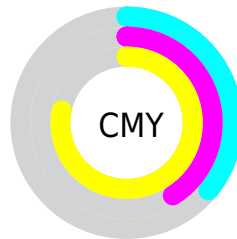
- Red (64%)
- Green (59%)
- Blue (22%)



- Red (28%)
- Yellow (64%)
- Blue (22%)



- Cyan (0%)
- Magenta (8%)
- Yellow (65%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 50.039, 97.760 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, 50.039, 97.760 by changing the saturation by 10% instead.

62, 50.039, 97.760

62, 50.039, 97.760

100, 50.039,
97.760

52, 50.039, 97.760

82, 50.039, 97.760

42, 50.039, 97.760

92, 50.039, 97.760

32, 50.039, 97.760

22, 50.039, 97.760

12, 50.039, 97.760

2, 50.039, 97.760

0, 50.039, 97.760

62, 50.039, 97.760

62, 50.039, 97.760

61, 55.969, 96.754

63, 43.177, 98.811

61, 60.489, 95.792

63, 35.749, 99.887

60, 63.169, 94.866

64, 28.003,
100.976

60, 64.139, 94.428

65, 20.093,
102.064

66, 12.113,
103.138

67, 4.121, 104.177

68, 3.851, 285.253

69, 11.781,
286.225

70, 19.658,
287.172

Harmonies

Complementary

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



62, 50.039, 97.760



34, 58.424, 296.059

Rectangle

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



62, 50.039, 97.760



62, 50.039, 147.760



62, 50.039, 277.760



62, 50.039, 327.760

Sweetspot

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



62, 50.039, 97.763



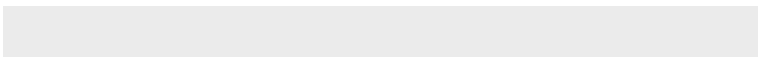
83, 19.825, 102.582



40, 47.751, 19.055



44, 13.500, 102.296



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



62, 50.039, 97.763



78, 70.820, 96.337



63, 57.887, 121.293



34, 4.489, 103.760



53, 58.697, 94.523



4, 6.751, 102.939

Inverse Universe

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



34, 58.424, 296.059



37, 88.528, 299.785



34, 66.201, 308.597



32, 4.561, 285.769



18, 81.638, 304.171



1, 7.089, 285.310

Previews

White Background



This preview shows how the CIELCh color 62, 50.039, 97.760 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, 50.039, 97.760 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, 50.039, 97.760

Background



This preview shows how black text looks on a background with the CIELCh color 62, 50.039, 97.760.



This preview shows how white text looks on a background with the CIELCh color 62, 50.039, 97.760.

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, 50.039, 97.760

Protanopia

62, 49.907, 95.623

Deuteranopia

62, 49.351, 80.586



Tritanopia
62, 13.244, 353.154

Trichromacy



Original Color
62, 50.039, 97.760

Protanomaly
62, 49.826, 96.144

Deuteranomaly
62, 48.904, 86.678

Tritanomaly
62, 18.312, 74.740

Monochromacy



Original Color
62, 50.039, 97.760

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 19.611, 103.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 50.039, 97.760 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(164, 151, 57)` looks like.

```
.text, #text, p{  
    color:rgb(164, 151, 57)  
}
```

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(164, 151, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 151, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 50.039, 97.760 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(164, 151, 57) }
```

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

```
.border{ border-color:rgb(164, 151, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 151, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 151, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 151, 57);  
box-shadow:4px 4px 4px 4px rgb(164, 151,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 50.039, 97.760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 151, 57) }
```

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

```
.background{ background-color: rgb(164,  
151, 57) }
```

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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