

Converting Colors

CIELCh(62, 45.507, 97.614)

Have a look what the booklet for
CIELCh(62, 45.507, 97.614) contains.

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Color

CIELCh(62, 45.482, 97.650)

Conversions

Conversions Part 1

Format	Color
Hex	A49743
RGB	164, 151, 67
RGB Percent	64%, 59%, 26%
CMY	0.3571, 0.4081, 0.7375
CMYK	0.00, 0.08, 0.59, 0.36
HSL	52°, 42%, 45%
HSV	52°, 59%, 64%
XYZ	27.3635, 30.4025, 9.7267
YIQ	145.3110, 34.7120, -23.3680

Conversions

Conversions Part 2

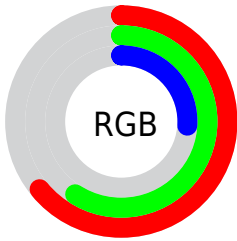
Format	Color
RYB	82, 164, 67
Decimal	10786627
CIELab	62.00, -6.05, 45.08
CIELCh	62, 45.482, 97.650
Yxy	30.4025, 0.4054, 0.4505
Android (android.graphics.Color)	4288976707 (0xFFFA49743)
YUV	145.3110, -38.6073, 16.3903
Hunter-Lab	55.1385, -7.9085, 28.1379

Details

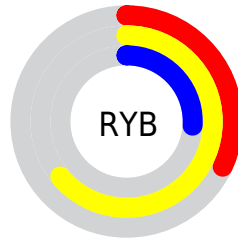
The CIELCh color **62, 45.482, 97.650** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **37, 51.602, 294.017**, and the grayscale version is **60, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 45.505, 97.657**, and **42, 45.460, 97.057** is the 20% darker color. If you saturate the color by 10%, you get **61, 51.992, 96.586**, and if you desaturate by 10%, it is **63, 38.298, 98.746**.

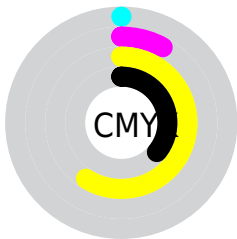
Distribution



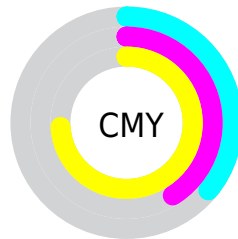
- Red (64%)
- Green (59%)
- Blue (26%)



- Red (32%)
- Yellow (64%)
- Blue (26%)



- Cyan (0%)
- Magenta (8%)
- Yellow (59%)
- Black (36%)



- Cyan (36%)
- Magenta (41%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 45.482, 97.650 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, 45.482, 97.650 by changing the saturation by 10% instead.

62, 45.482, 97.650

62, 45.482, 97.650

100, 45.482,
97.650

52, 45.482, 97.650

82, 45.482, 97.650

42, 45.482, 97.650

92, 45.482, 97.650

32, 45.482, 97.650

22, 45.482, 97.650

12, 45.482, 97.650

2, 45.482, 97.650

0, 45.482, 97.650

62, 45.482, 97.650

62, 45.482, 97.650

61, 51.992, 96.586

63, 38.298, 98.746

61, 57.409, 95.551

64, 30.728, 99.852

60, 61.235, 94.544

65, 22.955,
100.958

59, 63.418, 93.549

65, 15.092,
102.053

59, 63.593, 93.467

66, 7.206, 103.123

67, 0.664, 284.346

68, 8.495, 285.213

70, 16.273,
286.182

71, 23.990,
287.112

Harmonies

Complementary

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



62, 45.482, 97.650



37, 51.602, 294.017

Rectangle

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



62, 45.482, 97.650



62, 45.482, 147.650



62, 45.482, 277.650



62, 45.482, 327.650

Sweetspot

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



62, 45.483, 97.653



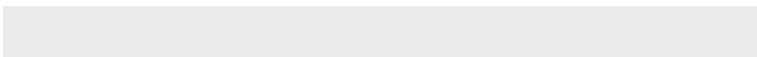
83, 17.621, 102.143



42, 43.057, 16.044



44, 12.225, 101.841



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, 45.483, 97.653



78, 65.711, 96.254



63, 53.024, 120.753



34, 4.431, 103.113



53, 58.268, 93.572



4, 6.642, 102.107

Inverse Universe

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



37, 51.602, 294.017



41, 78.728, 297.411



37, 59.962, 307.716



32, 4.500, 285.143



18, 80.814, 303.877



1, 7.005, 284.748

Previews

White Background



This preview shows how the CIELCh color 62, 45.482, 97.650 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, 45.482, 97.650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

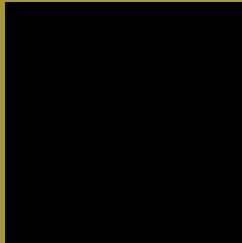
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.482, 97.650

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.482, 97.650.



This preview shows how white text looks on a background with the CIELCh color 62, 45.482, 97.650.

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, 45.482, 97.650

Protanopia

62, 45.263, 95.882

Deuteranopia

62, 45.282, 80.258



Tritanopia
62, 13.244, 353.154

Trichromacy



Original Color
62, 45.482, 97.650

Protanomaly
62, 45.182, 96.452

Deuteranomaly
62, 44.895, 86.881

Tritanomaly
62, 16.442, 70.901

Monochromacy



Original Color
62, 45.482, 97.650

Achromatopsia
60, 0.008, 296.813

Achromatomaly
61, 16.899, 101.159

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.482, 97.650 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, 67)` looks like.

```
.text, #text, p{  
    color:rgb(164, 151, 67)  
}
```

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, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 151, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.482, 97.650 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, 67) }
```

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

```
.border{ border-color:rgb(164, 151, 67) }
```

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, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 151, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 151, 67);  
box-shadow:4px 4px 4px 4px rgb(164, 151,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.482, 97.650 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, 67) }
```

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

```
.background{ background-color: rgb(164,  
151, 67) }
```

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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