

Converting Colors

CIELCh(62, 50.059, 87.926)

Have a look what the booklet for
CIELCh(62, 50.059, 87.926) contains.

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Color

CIELCh(62, 50.033, 87.519)

Conversions

Conversions Part 1

Format	Color
Hex	B29239
RGB	178, 146, 57
RGB Percent	70%, 57%, 22%
CMY	0.3011, 0.4267, 0.7757
CMYK	0.00, 0.18, 0.68, 0.30
HSL	44°, 51%, 46%
HSV	44°, 68%, 70%
XYZ	29.4588, 30.4025, 8.2109
YIQ	145.4220, 47.6410, -20.8950

Conversions

Conversions Part 2

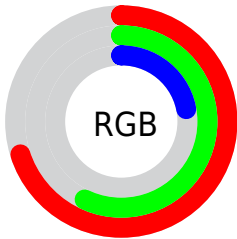
Format	Color
RYB	101, 178, 57
Decimal	11702841
CIELab	62.00, 2.17, 49.99
CIELCh	62, 50.033, 87.519
Yxy	30.4025, 0.4328, 0.4466
Android (android.graphics.Color)	4289892921 (0xFFB29239)
YUV	145.4220, -43.5920, 28.5709
Hunter-Lab	55.1385, -1.1254, 29.7679

Details

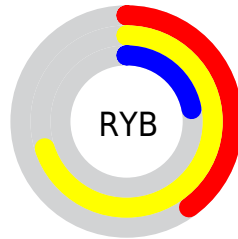
The CIELCh color **62, 50.033, 87.519** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **40, 54.095, 289.779**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **82, 50.385, 87.551**, and **42, 49.397, 87.380** is the 20% darker color. If you saturate the color by 10%, you get **61, 56.061, 86.044**, and if you desaturate by 10%, it is **63, 43.143, 88.917**.

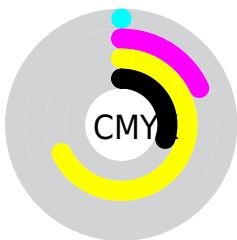
Distribution



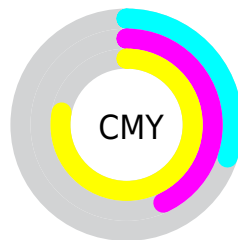
- Red (70%)
- Green (57%)
- Blue (22%)



- Red (40%)
- Yellow (70%)
- Blue (22%)



- Cyan (0%)
- Magenta (18%)
- Yellow (68%)
- Black (30%)



- Cyan (30%)
- Magenta (43%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 50.033, 87.519 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, 50.033, 87.519 by changing the saturation by 10% instead.

62, 50.033, 87.519

62, 50.033, 87.519

100, 50.033,
87.519

52, 50.033, 87.519

82, 50.033, 87.519

42, 50.033, 87.519

92, 50.033, 87.519

32, 50.033, 87.519

22, 50.033, 87.519

12, 50.033, 87.519

2, 50.033, 87.519

0, 50.033, 87.519

62, 50.033, 87.519

62, 50.033, 87.519

61, 56.061, 86.044

63, 43.143, 88.917

■ 59, 60.627, 84.409

■ 65, 35.813, 90.263

■ 58, 63.302, 82.535

■ 66, 28.299, 91.574

■ 58, 63.809, 82.145

■ 68, 20.746, 92.853

■ 70, 13.233, 94.095

■ 71, 5.800, 95.286

■ 73, 1.533, 276.600

■ 75, 8.761, 277.624

■ 77, 15.883,
278.686

Harmonies

Complementary

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



62, 50.033, 87.519



40, 54.095, 289.779

Rectangle

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



62, 50.033, 87.519



62, 50.033, 137.519



62, 50.033, 267.519



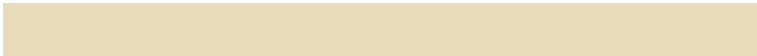
62, 50.033, 317.519

Sweetspot

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



62, 50.033, 87.522



88, 18.344, 93.796



43, 51.997, 9.668



47, 12.638, 93.452



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



62, 50.033, 87.522



77, 71.070, 85.336



69, 62.084, 115.470



37, 4.164, 95.123



50, 57.073, 82.433



6, 9.078, 88.776

Inverse Universe

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



40, 54.095, 289.779



45, 81.644, 294.382



34, 74.110, 305.626



35, 4.190, 277.420



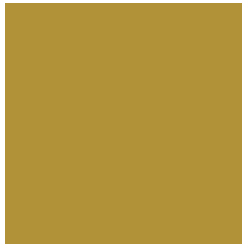
23, 72.842, 299.527



2, 10.735, 280.146

Previews

White Background



This preview shows how the CIELCh color 62, 50.033, 87.519 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, 50.033, 87.519 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, 50.033, 87.519

Background



This preview shows how black text looks on a background with the CIELCh color 62, 50.033, 87.519.



This preview shows how white text looks on a background with the CIELCh color 62, 50.033, 87.519.

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, 50.033, 87.519

Protanopia

62, 49.467, 95.599

Deuteranopia

62, 50.613, 81.081



Tritanopia
62, 20.026, 3.815

Trichromacy



Original Color
62, 50.033, 87.519

Protanomaly
62, 49.521, 92.909

Deuteranomaly
62, 50.195, 83.163

Tritanomaly
62, 23.509, 56.734

Monochromacy



Original Color
62, 50.033, 87.519

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 18.620, 92.302

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 50.033, 87.519 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(178, 146, 57)` looks like.

```
.text, #text, p{  
    color:rgb(178, 146, 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(178, 146, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 146, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 50.033, 87.519 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(178, 146, 57) }
```

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

```
.border{ border-color:rgb(178, 146, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 146, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 146, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 146, 57);  
box-shadow:4px 4px 4px 4px rgb(178, 146,  
57) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 50.033, 87.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 146, 57) }
```

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

```
.background{ background-color: rgb(178,  
146, 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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