

Converting Colors

CIELCh(64, 61.427, 97.962)

Have a look what the booklet for
CIELCh(64, 61.427, 97.962) contains.

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Color

CIELCh(64, 61.362, 97.926)

Conversions

Conversions Part 1

Format	Color
Hex	AA9D21
RGB	170, 157, 33
RGB Percent	67%, 62%, 13%
CMY	0.3330, 0.3840, 0.8702
CMYK	0.00, 0.08, 0.81, 0.33
HSL	54°, 67%, 40%
HSV	54°, 81%, 67%
XYZ	28.9378, 32.8017, 6.2512
YIQ	146.7510, 47.5520, -35.8080

Conversions

Conversions Part 2

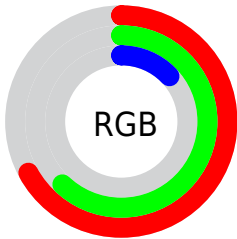
Format	Color
R _Y B	47, 170, 33
Decimal	11181345
CIE Lab	64.00, -8.46, 60.78
CIE LCh	64, 61.362, 97.926
Yxy	32.8017, 0.4256, 0.4824
Android (android.graphics.Color)	4289371425 (0xFFAA9D21)
YUV	146.7510, -56.0792, 20.3894
Hunter-Lab	57.2727, -10.0379, 33.6195

Details

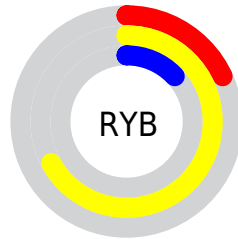
The CIELCh color **64, 61.362, 97.926** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **27, 78.140, 301.051**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 61.066, 98.007**, and **44, 50.967, 98.385** is the 20% darker color. If you saturate the color by 10%, you get **63, 64.981, 97.123**, and if you desaturate by 10%, it is **65, 55.992, 98.812**.

Distribution



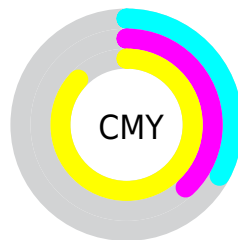
- Red (67%)
- Green (62%)
- Blue (13%)



- Red (18%)
- Yellow (67%)
- Blue (13%)



- Cyan (0%)
- Magenta (8%)
- Yellow (81%)
- Black (33%)



- Cyan (33%)
- Magenta (38%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 61.362, 97.926 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 64, 61.362, 97.926 by changing the saturation by 10% instead.

64, 61.362, 97.926

64, 61.362, 97.926

100, 61.362,
97.926

54, 61.362, 97.926

84, 61.362, 97.926

44, 61.362, 97.926

94, 61.362, 97.926

34, 61.362, 97.926

24, 61.362, 97.926

14, 61.362, 97.926

4, 61.362, 97.926

0, 61.362, 97.926

64, 61.362, 97.926

64, 61.362, 97.926

63, 64.981, 97.123

65, 55.992, 98.812

63, 66.926, 96.418

65, 49.354, 99.767

66, 41.895,
100.774

66, 33.942,
101.815

67, 25.710,
102.870

68, 17.334,
103.925

69, 8.897, 104.964

70, 0.450, 105.792

70, 7.975, 286.999

Harmonies

Complementary

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



64, 61.362, 97.926



27, 78.140, 301.051

Rectangle

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



64, 61.362, 97.926



64, 61.362, 147.926



64, 61.362, 277.926



64, 61.362, 327.926

Sweetspot

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



64, 61.362, 97.928



86, 25.121, 103.516



38, 61.101, 27.221



46, 17.382, 103.149



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 61.362, 97.928



80, 81.032, 96.513



64, 70.265, 122.758



35, 4.734, 105.093



55, 60.438, 96.498



5, 8.349, 104.317

Inverse Universe

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



27, 78.140, 301.051



30, 113.838, 304.820



30, 82.392, 310.147



33, 4.817, 287.066



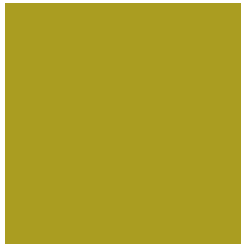
18, 84.395, 304.759



1, 8.787, 286.676

Previews

White Background



This preview shows how the CIELCh color 64, 61.362, 97.926 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 64, 61.362, 97.926 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

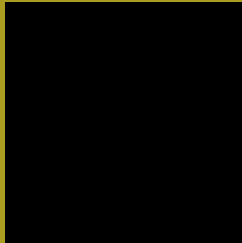
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 61.362, 97.926

Background



This preview shows how black text looks on a background with the CIELCh color 64, 61.362, 97.926.



This preview shows how white text looks on a background with the CIELCh color 64, 61.362, 97.926.

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

64, 61.362, 97.926

Protanopia

64, 61.382, 95.318

Deuteranopia

64, 60.577, 82.132



Tritanopia
64, 14.461, 353.467

Trichromacy



Original Color
64, 61.362, 97.926

Protanomaly
64, 61.238, 96.174

Deuteranomaly
64, 60.412, 88.068

Tritanomaly
64, 23.510, 79.591

Monochromacy



Original Color
64, 61.362, 97.926

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 24.975, 103.451

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 61.362, 97.926 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(170, 157, 33)` looks like.

```
.text, #text, p{  
    color:rgb(170, 157, 33)  
}
```

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(170, 157, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 157, 33) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 61.362, 97.926 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(170, 157, 33) }
```

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

```
.border{ border-color:rgb(170, 157, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 157, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 157, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 157, 33);  
box-shadow:4px 4px 4px 4px rgb(170, 157,  
33) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 61.362, 97.926 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 157, 33) }
```

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

```
.background{ background-color: rgb(170,  
157, 33) }
```

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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