

Converting Colors

CIELCh(60, 64.845, 97.889)

Have a look what the booklet for
CIELCh(60, 64.845, 97.889) contains.

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Color

CIELCh(60, 64.528, 97.859)

Conversions

Conversions Part 1

Format	Color
Hex	9F9300
RGB	159, 147, 0
RGB Percent	62%, 58%, 0%
CMY	0.3776, 0.4246, 1.0000
CMYK	0.00, 0.08, 1.00, 0.38
HSL	55°, 100%, 31%
HSV	55°, 100%, 62%
XYZ	24.6282, 28.1233, 4.1142
YIQ	133.8300, 54.3390, -43.1730

Conversions

Conversions Part 2

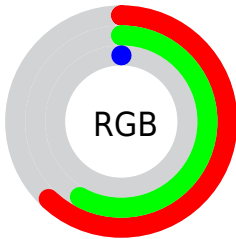
Format	Color
R _Y B	13, 159, 0
Decimal	10457856
CIE Lab	60.00, -8.82, 63.92
CIE LCh	60, 64.528, 97.859
Yxy	28.1233, 0.4331, 0.4946
Android (android.graphics.Color)	4288647936 (0xFF9F9300)
YUV	133.8300, -65.9782, 22.0741
Hunter-Lab	53.0314, -9.9084, 32.5223

Details

The CIELCh color **60, 64.528, 97.859** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **19, 90.247, 305.194**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **80, 64.822, 98.140**, and **40, 47.833, 99.230** is the 20% darker color. If you saturate the color by 10%, you get **60, 64.443, 97.864**, and if you desaturate by 10%, it is **60, 62.297, 98.495**.

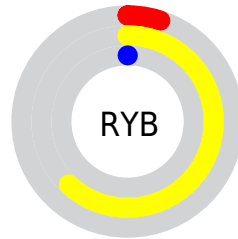
Distribution



Red (62%)

Green (58%)

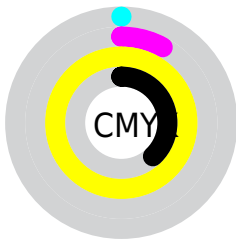
Blue (0%)



Red (5%)

Yellow (62%)

Blue (0%)

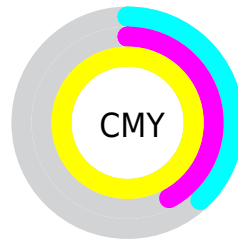


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (38%)



Cyan (38%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 64.528, 97.859 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 60, 64.528, 97.859 by changing the saturation by 10% instead.

60, 64.528, 97.859

60, 64.528, 97.859

100, 64.528,
97.859

50, 64.528, 97.859

80, 64.528, 97.859

40, 64.528, 97.859

90, 64.528, 97.859

30, 64.528, 97.859

20, 64.528, 97.859

10, 64.528, 97.859

0, 64.528, 97.859

60, 64.528, 97.859

60, 64.528, 97.859

60, 64.443, 97.864

60, 62.297, 98.495

61, 58.685, 99.209

■ 61, 53.457,
100.025

■ 62, 47.054,
100.927

■ 62, 39.881,
101.891

■ 63, 32.237,
102.895

■ 63, 24.322,
103.918

■ 64, 16.262,
104.945

■ 65, 8.135, 105.958

Harmonies

Complementary

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



60, 64.528, 97.859



19, 90.247, 305.194

Rectangle

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



60, 64.528, 97.859



60, 64.528, 147.859



60, 64.528, 277.859



60, 64.528, 327.859

Sweetspot

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



60, 64.443, 97.864



80, 30.137, 103.859



33, 69.825, 36.154



43, 20.683, 103.452



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



60, 64.443, 97.864



76, 78.290, 97.762



59, 74.341, 124.826



33, 4.585, 106.034



54, 59.678, 97.912



4, 5.916, 106.195

Inverse Universe

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



19, 90.247, 305.194



26, 110.772, 305.455



22, 88.977, 310.297



31, 4.669, 287.956



17, 83.134, 305.058



1, 6.044, 287.144

Previews

White Background



This preview shows how the CIELCh color 60, 64.528, 97.859 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 64.528, 97.859 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 × Fail

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

CIELCh 60, 64.528, 97.859

Background



This preview shows how black text looks on a background with the CIELCh color 60, 64.528, 97.859.

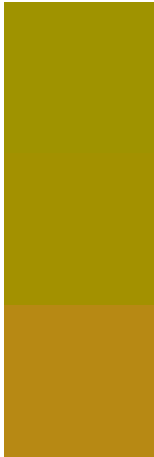


This preview shows how white text looks on a background with the CIELCh color 60, 64.528, 97.859.

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

60, 64.528, 97.859

Protanopia

60, 64.236, 95.283

Deuteranopia

60, 61.907, 82.658



Tritanopia
60, 14.055, 354.841

Trichromacy



Original Color
60, 64.528, 97.859

Protanomaly
60, 64.363, 96.576

Deuteranomaly
60, 62.482, 88.633

Tritanomaly
59, 28.201, 84.011

Monochromacy



Original Color
60, 64.528, 97.859

Achromatopsia
56, 0.007, 296.813

Achromatomaly
57, 30.193, 103.196

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 64.528, 97.859 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(159, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(159, 147, 0)  
}
```

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(159, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 147, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 64.528, 97.859 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(159, 147, 0) }
```

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

```
.border{ border-color:rgb(159, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(159, 147,  
0) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 64.528, 97.859 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 147, 0) }
```

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

```
.background{ background-color: rgb(159,  
147, 0) }
```

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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