

Converting Colors

CIELCh(61, 65.151, 99.146)

Have a look what the booklet for
CIELCh(61, 65.151, 99.146) contains.

CIELCh(61, 65.067, 99.190)	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(61, 65.067, 99.190)

Conversions

Conversions Part 1

Format	Color
Hex	9F9602
RGB	159, 150, 2
RGB Percent	62%, 59%, 1%
CMY	0.3759, 0.4112, 0.9909
CMYK	0.00, 0.06, 0.99, 0.38
HSL	57°, 97%, 32%
HSV	57°, 99%, 62%
XYZ	25.2692, 29.2481, 4.3798
YIQ	135.8190, 52.8720, -44.1200

Conversions

Conversions Part 2

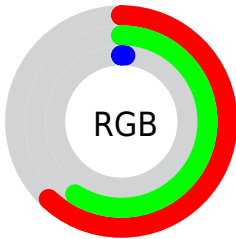
Format	Color
R _Y B	12, 159, 2
Decimal	10458626
CIE Lab	61.00, -10.39, 64.23
CIE LCh	61, 65.067, 99.190
Yxy	29.2481, 0.4290, 0.4966
Android (android.graphics.Color)	4288648706 (0xFF9F9602)
YUV	135.8190, -65.9728, 20.3297
Hunter-Lab	54.0815, -11.2401, 33.0555

Details

The CIELCh color **61, 65.067, 99.190** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **19, 90.591, 305.320**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **81, 65.065, 99.367**, and **41, 48.787, 101.090** is the 20% darker color. If you saturate the color by 10%, you get **61, 65.372, 99.117**, and if you desaturate by 10%, it is **61, 62.798, 99.729**.

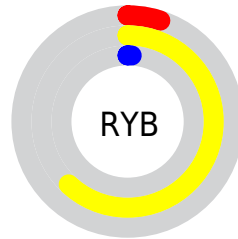
Distribution



Red (62%)

Green (59%)

Blue (1%)



Red (5%)

Yellow (62%)

Blue (1%)

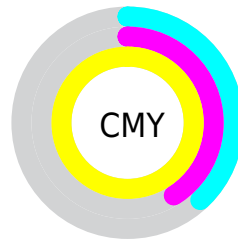


Cyan (0%)

Magenta (6%)

Yellow (99%)

Black (38%)



Cyan (38%)

Magenta (41%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 61, 65.067, 99.190 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 61, 65.067, 99.190 by changing the saturation by 10% instead.

61, 65.067, 99.190

61, 65.067, 99.190

100, 65.067,
99.190

51, 65.067, 99.190

81, 65.067, 99.190

41, 65.067, 99.190

91, 65.067, 99.190

31, 65.067, 99.190

21, 65.067, 99.190

11, 65.067, 99.190

1, 65.067, 99.190

0, 65.067, 99.190

61, 65.067, 99.190

61, 65.067, 99.190

61, 65.372, 99.117

61, 62.798, 99.729

■ 62, 58.908,
100.377

■ 62, 53.447,
101.146

■ 62, 46.847,
102.011

■ 63, 39.499,
102.946

■ 63, 31.690,
103.925

■ 64, 23.612,
104.927

■ 64, 15.389,
105.933

■ 65, 7.096, 106.928

Harmonies

Complementary

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



61, 65.067, 99.190



19, 90.591, 305.320

Rectangle

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



61, 65.067, 99.190



61, 65.067, 149.190



61, 65.067, 279.190



61, 65.067, 329.190

Sweetspot

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



61, 65.066, 99.192



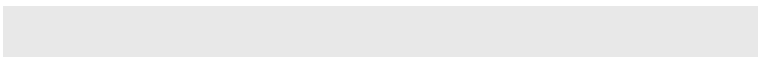
81, 30.656, 104.724



33, 69.891, 36.519



43, 21.034, 104.325



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



61, 65.066, 99.192



77, 79.272, 99.042



59, 74.445, 125.355



33, 4.670, 106.859



55, 60.408, 99.153



4, 6.050, 107.192

Inverse Universe

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



19, 90.591, 305.320



26, 111.681, 305.682



23, 88.152, 310.641



31, 4.759, 288.753



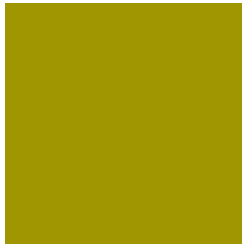
16, 84.001, 305.349



0, 6.153, 287.908

Previews

White Background



This preview shows how the CIE LCh color 61, 65.067, 99.190 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 CIELCh color 61, 65.067, 99.190 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 61, 65.067, 99.190

Background



This preview shows how black text looks on a background with the CIELCh color 61, 65.067, 99.190.

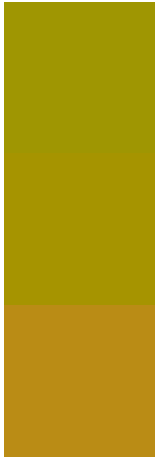


This preview shows how white text looks on a background with the CIELCh color 61, 65.067, 99.190.

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

61, 65.067, 99.190

Protanopia

61, 65.181, 95.422

Deuteranopia

61, 62.642, 83.001



Tritanopia
61, 12.337, 353.690

Trichromacy



Original Color
61, 65.067, 99.190

Protanomaly
61, 65.162, 96.693

Deuteranomaly
61, 63.149, 89.296

Tritanomaly
61, 28.399, 88.080

Monochromacy



Original Color
61, 65.067, 99.190

Achromatopsia
57, 0.007, 296.813

Achromatomaly
58, 30.105, 104.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 61, 65.067, 99.190 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, 150, 2)` looks like.

```
.text, #text, p{  
    color:rgb(159, 150, 2)  
}
```

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, 150, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 150, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 61, 65.067, 99.190 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, 150, 2) }
```

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

```
.border{ border-color:rgb(159, 150, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 150, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 150, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 150, 2);  
box-shadow:4px 4px 4px 4px rgb(159, 150,  
2) }
```

Background

The CSS property to change the background color of an element to CIELCh 61, 65.067, 99.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 150, 2) }
```

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

```
.background{ background-color: rgb(159,  
150, 2) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor