

# Converting Colors

CIELCh(62, 15.420, 301.279)

Have a look what the booklet for  
CIELCh(62, 15.420, 301.279)  
contains.

<b>CIELCh(62, 15.439, 301.285)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	21
<i><b>Color Blindness Simulation</b></i> .....	24
<i><b>CSS Examples</b></i> .....	27

# Color

**CIELCh(62, 15.439, 301.285)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9992AD
RGB	153, 146, 173
RGB Percent	60%, 57%, 68%
CMY	0.3995, 0.4270, 0.3211
CMYK	0.12, 0.16, 0.00, 0.32
HSL	256°, 14%, 63%
HSV	256°, 16%, 68%
XYZ	31.0137, 30.4025, 43.8336
YIQ	151.1710, -4.4950, 9.8810

# Conversions

## Conversions Part 2

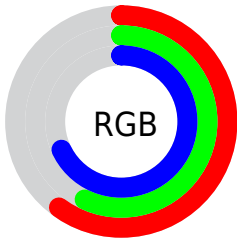
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	153, 146, 173
Decimal	10064557
CIE Lab	62.00, 8.02, -13.19
CIE LCh	62, 15.439, 301.285
Yxy	30.4025, 0.2947, 0.2889
Android (android.graphics.Color)	4288254637 (0xFF9992AD)
YUV	151.1710, 10.7617, 1.6040
Hunter-Lab	55.1385, 3.9082, -8.5370

# Details

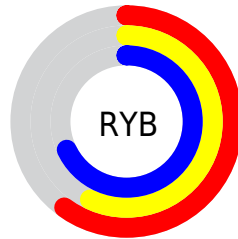
The CIELCh color  $62, 15.439, 301.285$  is a light color, and the websafe version is hex `9999CC`. A complement of this color would be  $70, 14.967, 119.318$ , and the grayscale version is  $63, 0.008, 296.813$ .

A 20% lighter version of the original color is  $82, 15.107, 300.725$ , and  $42, 15.350, 300.934$  is the 20% darker color. If you saturate the color by 10%, you get  $56, 25.795, 302.061$ , and if you desaturate by 10%, it is  $68, 5.444, 300.597$ .

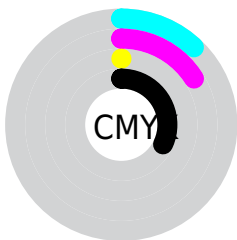
# Distribution



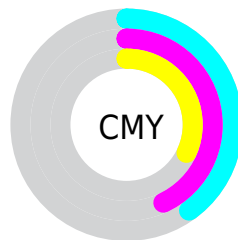
- Red (60%)
- Green (57%)
- Blue (68%)



- Red (60%)
- Yellow (57%)
- Blue (68%)



- Cyan (12%)
- Magenta (16%)
- Yellow (0%)
- Black (32%)




- Cyan (40%)
- Magenta (43%)
- Yellow (32%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 15.439, 301.285 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, 15.439, 301.285 by changing the saturation by 10% instead.





 62, 15.439,  
301.285


 62, 15.439,  
301.285


 100, 15.439,  
301.285


 52, 15.439,  
301.285


 82, 15.439,  
301.285

 42, 15.439,  
301.285

 92, 15.439,  
301.285

 32, 15.439,  
301.285

 22, 15.439,  
301.285

 12, 15.439,  
301.285

 2, 15.439, 301.285

 0, 15.439, 301.285

62, 15.439,  
301.285

62, 15.439,  
301.285

56, 25.795,  
302.061

68, 5.444, 300.597

51, 36.507,  
302.937

73, 4.192, 120.016

45, 47.524,  
303.902

79, 13.488,  
119.496

40, 58.714,  
304.931

84, 22.462,  
119.051

35, 69.796,  
305.965

90, 31.134,  
118.667

30, 80.228,  
306.899

95, 39.522,  
118.337

26, 89.121,  
307.570

97, 41.307,  
113.539

23, 95.402,

98, 41.010,  
107.047

307.794

■ 22, 97.731,  
307.875

# Harmonies

# Complementary

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



62, 15.439, 301.285



70, 14.967, 119.318

# Rectangle

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



62, 15.439, 301.285



62, 15.439, 351.285



62, 15.439, 121.285



62, 15.439, 171.285

# Sweetspot

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



62, 15.437, 301.283



86, 6.002, 300.564



67, 8.115, 226.360



45, 4.094, 300.608



95, 0.011, 296.813



47, 0.006, 296.813





# Same Dimension

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



62, 15.437, 301.283



76, 23.381, 301.563



63, 16.946, 317.945



34, 5.549, 300.842



19, 88.022, 307.969



1, 11.488, 298.432



# Inverse Universe

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



64, 15.190, 333.691



79, 22.890, 333.952



69, 16.783, 136.597



34, 5.499, 333.256



33, 64.163, 341.704



2, 10.858, 336.101



# Previews

## White Background



This preview shows how the CIELCh color 62, 15.439, 301.285 looks on a white background.

## Color Contrast Check

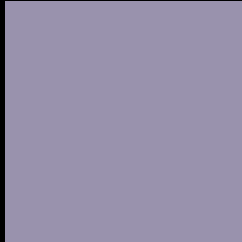
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 62, 15.439, 301.285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

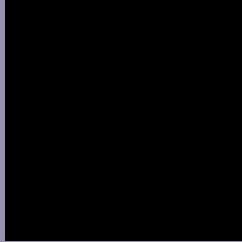
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 62, 15.439, 301.285

## Background



This preview shows how black text looks on a background with the CIELCh color 62, 15.439, 301.285.



This preview shows how white text looks on a background with the CIELCh color 62, 15.439, 301.285.

# 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, 15.439, 301.285


### Protanopia

62, 14.630, 286.179

### Deuteranopia

62, 15.439, 301.285





**Tritanopia**  
62, 6.855, 300.376

# Trichromacy



**Original Color**  
62, 15.439, 301.285

**Protanomaly**  
62, 14.604, 291.769

**Deuteranomaly**  
62, 15.439, 301.285

**Tritanomaly**  
62, 10.319, 301.629

# Monochromacy



**Original Color**  
62, 15.439, 301.285

**Achromatopsia**  
62, 0.008, 296.813

**Achromatomaly**  
62, 5.744, 302.152

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 62, 15.439, 301.285 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(153, 146, 173)` looks like.

```
.text, #text, p{  
    color:rgb(153, 146, 173)  
}
```

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(153, 146, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 146, 173) }
```

## Border

The CSS property to change the border of an element to CIELCh 62, 15.439, 301.285 is called "border". The border property can be set on classes, ids or directly on the HTML element.

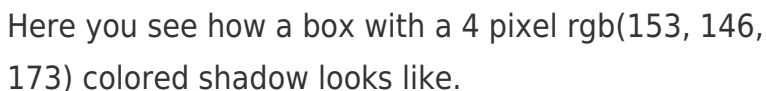
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(153, 146, 173) }
```

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

```
.border{ border-color:rgb(153, 146, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(153, 146, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(153, 146, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(153, 146, 173); box-shadow:4px 4px 4px 4px rgb(153, 146, 173) }
```

# Background

The CSS property to change the background color of an element to CIELCh 62, 15.439, 301.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 146, 173) }
```

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

```
.background{ background-color: rgb(153,  
146, 173) }
```

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