

# Converting Colors

CIELCh(64, 19.307, 301.114)

Have a look what the booklet for  
CIELCh(64, 19.307, 301.114)  
contains.

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# Color

**CIELCh(64, 19.334, 301.699)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F96B8
RGB	159, 150, 184
RGB Percent	62%, 59%, 72%
CMY	0.3751, 0.4104, 0.2771
CMYK	0.14, 0.18, 0.00, 0.28
HSL	256°, 19%, 66%
HSV	256°, 18%, 72%
XYZ	34.0146, 32.8017, 50.0783
YIQ	156.5670, -5.5500, 12.4820

# Conversions

## Conversions Part 2

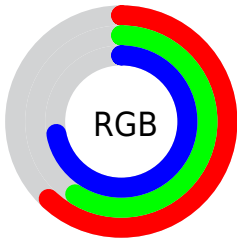
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 150, 184
Decimal	10458808
CIELab	64.00, 10.16, -16.45
CIELCh	64, 19.334, 301.699
Yxy	32.8017, 0.2910, 0.2806
Android (android.graphics.Color)	4288648888 (0xFF9F96B8)
YUV	156.5670, 13.5245, 2.1337
Hunter-Lab	57.2727, 5.7847, -11.7513

# Details

The CIELCh color  $64, 19.334, 301.699$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $73, 18.637, 119.355$ , and the grayscale version is  $65, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 19.393, 301.933$ , and  $44, 19.524, 301.598$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 30.350, 302.499$ , and if you desaturate by 10%, it is  $70, 8.698, 300.990$ .

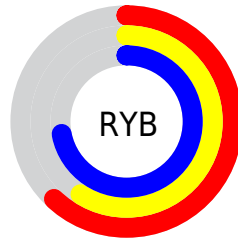
# Distribution



Red (62%)

Green (59%)

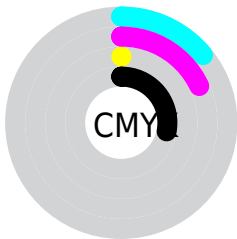
Blue (72%)



Red (62%)

Yellow (59%)

Blue (72%)

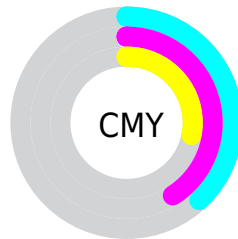


Cyan (14%)

Magenta (18%)

Yellow (0%)

Black (28%)



Cyan (38%)

Magenta (41%)

Yellow (28%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 19.334, 301.699 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, 19.334, 301.699 by changing the saturation by 10% instead.





 64, 19.334,  
301.699

 64, 19.334,  
301.699


 100, 19.334,  
301.699


 54, 19.334,  
301.699


 84, 19.334,  
301.699

 44, 19.334,  
301.699

 94, 19.334,  
301.699

 34, 19.334,  
301.699

 24, 19.334,  
301.699

 14, 19.334,  
301.699

 4, 19.334, 301.699

 0, 19.334, 301.699

64, 19.334,  
301.699

64, 19.334,  
301.699

58, 30.350,  
302.499

70, 8.698, 300.990

52, 41.729,  
303.395

76, 1.558, 120.400

46, 53.395,  
304.374

82, 11.448,  
119.848

41, 65.168,  
305.401

88, 20.993,  
119.386

36, 76.674,  
306.403

93, 30.213,  
118.988

31, 87.229,  
307.256

97, 35.971,  
116.192

27, 95.788,  
307.781

98, 35.506,  
107.951

24, 101.536,

99, 35.504,  
107.472

307.874

■ 24, 102.358,  
307.899

# Harmonies

# Complementary

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



64, 19.334, 301.699



73, 18.637, 119.355

# Rectangle

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



64, 19.334, 301.699



64, 19.334, 351.699



64, 19.334, 121.699



64, 19.334, 171.699

# Sweetspot

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



64, 19.332, 301.698



90, 7.616, 300.837



70, 10.024, 226.567



47, 5.054, 300.878



97, 0.011, 296.813



50, 0.007, 296.813





# Same Dimension

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



64, 19.332, 301.698



79, 28.738, 302.000



65, 21.148, 318.074



36, 5.822, 301.049



19, 90.150, 308.008



1, 15.549, 297.912



# Inverse Universe

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



66, 18.864, 334.113



82, 27.880, 334.393



72, 20.911, 136.447



36, 5.743, 333.474



34, 65.472, 342.124



3, 14.499, 337.370



# Previews

## White Background



This preview shows how the CIELCh color 64, 19.334, 301.699 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, 19.334, 301.699 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

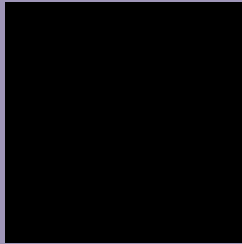
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 64, 19.334, 301.699

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 19.334, 301.699.



This preview shows how white text looks on a background with the CIELCh color 64, 19.334, 301.699.

# 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, 19.334, 301.699


### Protanopia

64, 18.470, 285.660

### Deuteranopia

64, 18.564, 297.597





**Tritanopia**  
64, 6.750, 297.235

# Trichromacy



**Original Color**  
64, 19.334, 301.699

**Protanomaly**  
64, 18.412, 291.036

**Deuteranomaly**  
64, 18.605, 298.687

**Tritanomaly**  
64, 11.285, 298.817

# Monochromacy



**Original Color**  
64, 19.334, 301.699

**Achromatopsia**  
65, 0.008, 296.813

**Achromatomaly**  
65, 6.798, 300.357

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 19.334, 301.699 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, 184)` looks like.

```
.text, #text, p{  
    color:rgb(159, 150, 184)  
}
```

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, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 150, 184) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 19.334, 301.699 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, 184) }
```

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

```
.border{ border-color:rgb(159, 150, 184) }
```

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, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 150, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 150, 184); box-shadow:4px 4px 4px 4px rgb(159, 150, 184) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 19.334, 301.699 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, 184) }
```

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

```
.background{ background-color: rgb(159,  
150, 184) }
```

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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