

# Converting Colors

CIELCh(64, 10.105, 295.428)

Have a look what the booklet for  
CIELCh(64, 10.105, 295.428)  
contains.

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# Color

**CIELCh(64, 10.093, 295.423)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B99AB
RGB	155, 153, 171
RGB Percent	61%, 60%, 67%
CMY	0.3912, 0.3991, 0.3285
CMYK	0.09, 0.11, 0.00, 0.33
HSL	247°, 10%, 64%
HSV	247°, 11%, 67%
XYZ	32.3671, 32.8017, 43.2749
YIQ	155.6500, -4.5860, 6.0220

# Conversions

## Conversions Part 2

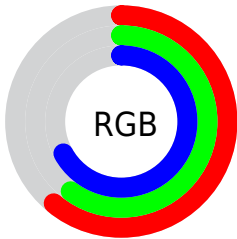
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	155, 153, 171
Decimal	10197419
CIE <sub>Lab</sub>	64.00, 4.33, -9.12
CIE <sub>LCh</sub>	64, 10.093, 295.423
Yxy	32.8017, 0.2985, 0.3025
Android (android.graphics.Color)	4288387499 (0xFF9B99AB)
YUV	155.6500, 7.5675, -0.5701
Hunter-Lab	57.2727, 0.6501, -4.7082

# Details

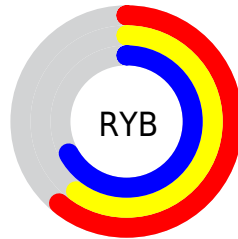
The CIELCh color  $64, 10.093, 295.423$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $69, 9.856, 113.717$ , and the grayscale version is  $64, 0.008, 296.813$ .

A 20% lighter version of the original color is  $84, 10.073, 295.028$ , and  $44, 10.250, 295.970$  is the 20% darker color. If you saturate the color by 10%, you get  $58, 20.077, 296.395$ , and if you desaturate by 10%, it is  $70, 0.491, 294.618$ .

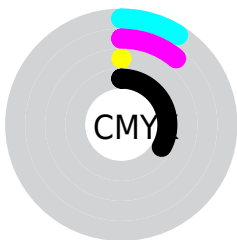
# Distribution



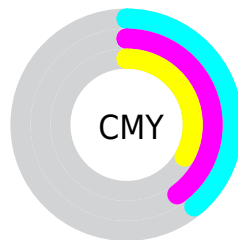
- Red (61%)
- Green (60%)
- Blue (67%)



- Red (61%)
- Yellow (60%)
- Blue (67%)



- Cyan (9%)
- Magenta (11%)
- Yellow (0%)
- Black (33%)




- Cyan (39%)
- Magenta (40%)
- Yellow (33%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 10.093, 295.423 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, 10.093, 295.423 by changing the saturation by 10% instead.




 64, 10.093,  
295.423


 64, 10.093,  
295.423


 100, 10.093,  
295.423


 54, 10.093,  
295.423


 84, 10.093,  
295.423

 44, 10.093,  
295.423

 94, 10.093,  
295.423

 34, 10.093,  
295.423

 24, 10.093,  
295.423

 14, 10.093,  
295.423

 4, 10.093, 295.423

 0, 10.093, 295.423

64, 10.093,  
295.423

64, 10.093,  
295.423

58, 20.077,  
296.395

70, 0.491, 294.618

52, 30.468,  
297.526

76, 8.747, 113.857

47, 41.269,  
298.825

81, 17.650,  
113.242

41, 52.436,  
300.287

87, 26.238,  
112.713

35, 63.822,  
301.876

92, 34.535,  
112.258

30, 75.052,  
303.497

98, 42.073,  
111.428

26, 85.347,  
304.974

98, 41.929,  
106.976

23, 93.445,

306.051

■ 20, 98.644,  
306.693

# Harmonies

# Complementary

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



64, 10.093, 295.423



69, 9.856, 113.717

# Rectangle

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



64, 10.093, 295.423



64, 10.093, 345.423



64, 10.093, 115.423



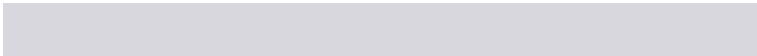
64, 10.093, 165.423

# Sweetspot

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



64, 10.091, 295.419



86, 3.511, 294.786



68, 6.004, 208.513



46, 2.685, 294.849



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, 10.091, 295.419



79, 15.484, 295.669



65, 10.855, 312.906



34, 5.477, 295.312



17, 89.615, 306.741



1, 11.379, 293.737



# Inverse Universe

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



65, 11.234, 328.188



81, 17.172, 328.350



69, 10.729, 132.057



34, 6.107, 328.116



34, 71.560, 333.122

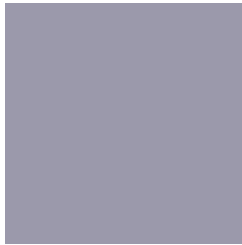


2, 12.421, 329.084



# Previews

## White Background



This preview shows how the CIELCh color 64, 10.093, 295.423 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, 10.093, 295.423 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

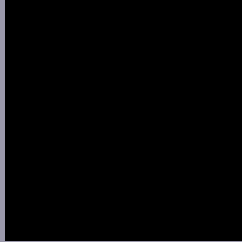
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

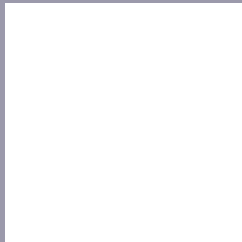
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# CIELCh 64, 10.093, 295.423

## Background



This preview shows how black text looks on a background with the CIELCh color 64, 10.093, 295.423.



This preview shows how white text looks on a background with the CIELCh color 64, 10.093, 295.423.

# 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, 10.093, 295.423


### Protanopia

64, 10.044, 289.173

### Deuteranopia

64, 12.469, 310.420





**Tritanopia**  
64, 6.699, 290.903

# Trichromacy



**Original Color**  
64, 10.093, 295.423

**Protanomaly**  
64, 10.044, 291.253

**Deuteranomaly**  
64, 11.595, 306.081

**Tritanomaly**  
64, 7.814, 291.020

# Monochromacy



**Original Color**  
64, 10.093, 295.423

**Achromatopsia**  
64, 0.008, 296.813

**Achromatomaly**  
64, 3.930, 296.105

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 64, 10.093, 295.423 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(155, 153, 171)` looks like.

```
.text, #text, p{  
    color:rgb(155, 153, 171)  
}
```

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(155, 153, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 153, 171) }
```

## Border

The CSS property to change the border of an element to CIELCh 64, 10.093, 295.423 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(155, 153, 171) }
```

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

```
.border{ border-color:rgb(155, 153, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 153, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 153, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 153, 171);  
box-shadow:4px 4px 4px 4px rgb(155, 153,  
171) }
```

# Background

The CSS property to change the background color of an element to CIELCh 64, 10.093, 295.423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 153, 171) }
```

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

```
.background{ background-color: rgb(155,  
153, 171) }
```

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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