

Converting Colors

CIELCh(63, 12.912, 305.501)

Have a look what the booklet for
CIELCh(63, 12.912, 305.501)
contains.

CIELCh(63, 12.720, 304.856)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(63, 12.720, 304.856)

Conversions

Conversions Part 1

Format	Color
Hex	9D95AB
RGB	157, 149, 171
RGB Percent	62%, 58%, 67%
CMY	0.3844, 0.4158, 0.3295
CMYK	0.08, 0.13, 0.00, 0.33
HSL	262°, 12%, 63%
HSV	262°, 13%, 67%
XYZ	31.9866, 31.5869, 42.9210
YIQ	153.9000, -2.2940, 8.5380

Conversions

Conversions Part 2

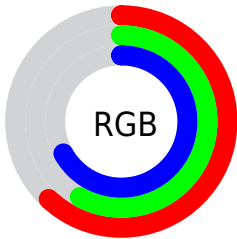
Format	Color
R_{YB}	157, 149, 171
Decimal	10327467
CIE _{Lab}	63.00, 7.27, -10.44
CIE _{LCh}	63, 12.720, 304.856
Yxy	31.5869, 0.3004, 0.2966
Android (android.graphics.Color)	4288517547 (0xFF9D95AB)
YUV	153.9000, 8.4303, 2.7187
Hunter-Lab	56.2022, 3.2365, -5.9376

Details

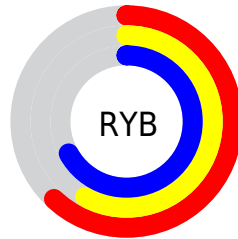
The CIELCh color $63, 12.720, 304.856$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 12.436, 123.515$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 12.628, 305.703$, and $43, 13.092, 305.717$ is the 20% darker color. If you saturate the color by 10%, you get $58, 22.972, 305.469$, and if you desaturate by 10%, it is $68, 2.793, 304.290$.

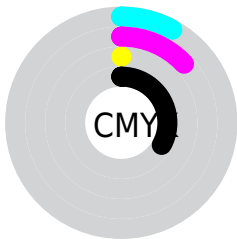
Distribution



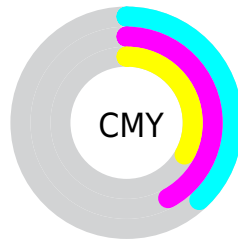
- Red (62%)
- Green (58%)
- Blue (67%)



- Red (62%)
- Yellow (58%)
- Blue (67%)



- Cyan (8%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)





- Cyan (38%)
- Magenta (42%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.720, 304.856 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 63, 12.720, 304.856 by changing the saturation by 10% instead.


 63, 12.720,
304.856


 63, 12.720,
304.856


 100, 12.720,
304.856


 53, 12.720,
304.856


 83, 12.720,
304.856

 43, 12.720,
304.856

 93, 12.720,
304.856

 33, 12.720,
304.856

 23, 12.720,
304.856

 13, 12.720,
304.856

 3, 12.720, 304.856

 0, 12.720, 304.856

63, 12.720,
304.856

63, 12.720,
304.856

58, 22.972,
305.469

68, 2.793, 304.290

52, 33.531,
306.147

74, 6.804, 123.840

47, 44.334,
306.877

79, 16.080,
123.413

42, 55.245,
307.635

85, 25.049,
123.045

37, 66.003,
308.371

90, 33.729,
122.727

32, 76.147,
309.003

95, 42.135,
122.453


28, 84.955,
309.407


97, 42.980,
118.241

25, 91.522,

98, 42.305,
112.739

309.432

 98, 42.064,
107.023

 24, 95.063,
309.307

Harmonies

Complementary

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



63, 12.720, 304.856



69, 12.436, 123.515

Rectangle

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



63, 12.720, 304.856



63, 12.720, 354.856



63, 12.720, 124.856



63, 12.720, 174.856

Sweetspot

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



63, 12.718, 304.854



86, 4.823, 304.359



66, 6.652, 239.077



45, 3.458, 304.400



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



63, 12.718, 304.854



78, 18.399, 304.996



64, 14.188, 320.856



34, 5.629, 304.650



20, 86.422, 309.413



1, 11.611, 301.670

Inverse Universe

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



64, 11.501, 337.881



80, 16.603, 338.069



68, 14.117, 139.667



34, 5.104, 337.604



33, 60.188, 349.365



2, 9.994, 341.488

Previews

White Background



This preview shows how the CIELCh color 63, 12.720, 304.856 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 63, 12.720, 304.856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

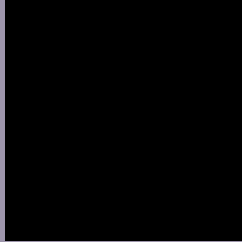
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 12.720, 304.856

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.720, 304.856.



This preview shows how white text looks on a background with the CIELCh color 63, 12.720, 304.856.

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

63, 12.720, 304.856

Protanopia

63, 11.767, 287.924

Deuteranopia

63, 13.572, 308.916



Tritanopia
63, 7.123, 309.376

Trichromacy



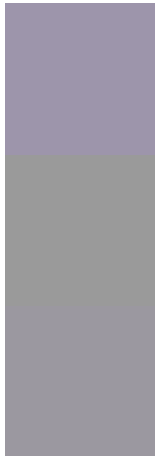
Original Color
63, 12.720, 304.856

Protanomaly
63, 12.363, 294.884

Deuteranomaly
63, 13.465, 307.404

Tritanomaly
63, 8.729, 305.943

Monochromacy



Original Color
63, 12.720, 304.856

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 4.634, 304.824

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.720, 304.856 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(157, 149, 171)` looks like.

```
.text, #text, p{  
    color:rgb(157, 149, 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(157, 149, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 149, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.720, 304.856 is called "border". The border property can be set on classes, ids or directly on the HTML element.

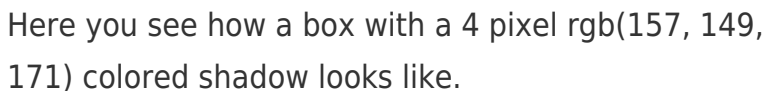
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 149, 171) }
```

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

```
.border{ border-color:rgb(157, 149, 171) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 149, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 149, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 149, 171);  
box-shadow:4px 4px 4px 4px rgb(157, 149,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.720, 304.856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 149, 171) }
```

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

```
.background{ background-color: rgb(157,  
149, 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](#).

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