

Converting Colors

CIELCh(63, 12.314, 291.443)

Have a look what the booklet for
CIELCh(63, 12.314, 291.443)
contains.

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Color

CIELCh(63, 12.316, 291.507)

Conversions

Conversions Part 1

Format	Color
Hex	9797AD
RGB	151, 151, 173
RGB Percent	59%, 59%, 68%
CMY	0.4091, 0.4091, 0.3228
CMYK	0.13, 0.13, 0.00, 0.32
HSL	240°, 12%, 63%
HSV	240°, 13%, 68%
XYZ	31.2326, 31.5869, 43.8234
YIQ	153.5080, -7.0620, 6.8420

Conversions

Conversions Part 2

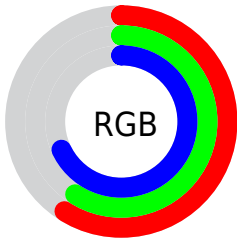
Format	Color
RYB	151, 151, 173
Decimal	9934765
CIELab	63.00, 4.52, -11.46
CIELCh	63, 12.316, 291.507
Yxy	31.5869, 0.2929, 0.2962
Android (android.graphics.Color)	4288124845 (0xFF9797AD)
YUV	153.5080, 9.6096, -2.1995
Hunter-Lab	56.2022, 0.8418, -6.8895

Details

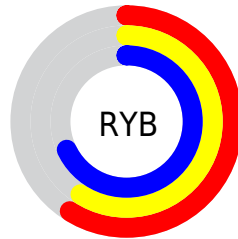
The CIELCh color $63, 12.316, 291.507$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 11.966, 108.960$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 12.171, 291.232$, and $43, 12.650, 291.995$ is the 20% darker color. If you saturate the color by 10%, you get $57, 22.432, 292.755$, and if you desaturate by 10%, it is $69, 2.600, 290.456$.

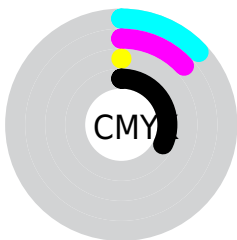
Distribution



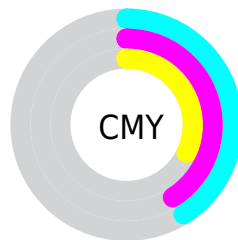
- Red (59%)
- Green (59%)
- Blue (68%)



- Red (59%)
- Yellow (59%)
- Blue (68%)



- Cyan (13%)
- Magenta (13%)
- Yellow (0%)
- Black (32%)





- Cyan (41%)
- Magenta (41%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.316, 291.507 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, 12.316, 291.507 by changing the saturation by 10% instead.


 63, 12.316,
291.507


 63, 12.316,
291.507


 100, 12.316,
291.507


 53, 12.316,
291.507


 83, 12.316,
291.507

 43, 12.316,
291.507

 93, 12.316,
291.507

 33, 12.316,
291.507

 23, 12.316,
291.507

 13, 12.316,
291.507

 3, 12.316, 291.507

 0, 12.316, 291.507

63, 12.316,
291.507

63, 12.316,
291.507

57, 22.432,
292.755

69, 2.600, 290.456

51, 32.982,
294.227

75, 6.742, 109.521

45, 43.980,
295.938

81, 15.739,
108.755

39, 55.394,
297.889

87, 24.417,
108.097

34, 67.061,
300.025

92, 32.797,
107.531

29, 78.509,
302.206

98, 40.898,
107.042

24, 88.731,
304.171

98, 41.229,
107.030

21, 96.174,

305.587

■ 20, 99.900,
306.285

Harmonies

Complementary

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



63, 12.316, 291.507



70, 11.966, 108.960

Rectangle

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



63, 12.316, 291.507



63, 12.316, 341.507



63, 12.316, 111.507



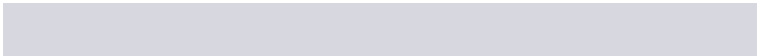
63, 12.316, 161.507

Sweetspot

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



63, 12.315, 291.504



86, 4.712, 290.581



69, 8.022, 197.345



45, 3.348, 290.653



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, 12.315, 291.504



78, 18.038, 291.801



64, 12.954, 309.056



33, 5.456, 291.120



17, 90.264, 306.285



1, 11.346, 290.173

Inverse Universe

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



64, 8.674, 20.168



80, 12.768, 20.375



69, 12.723, 127.924



34, 3.818, 19.897



31, 69.977, 39.440



2, 7.802, 19.395

Previews

White Background



This preview shows how the CIELCh color 63, 12.316, 291.507 looks on a white background.

Color Contrast Check

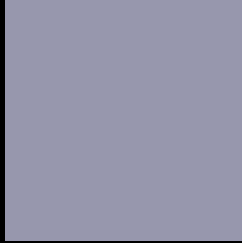
Large Text (above 18pt) WCAG AA × Fail

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 63, 12.316, 291.507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

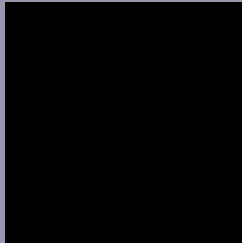
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 12.316, 291.507

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.316, 291.507.



This preview shows how white text looks on a background with the CIELCh color 63, 12.316, 291.507.

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

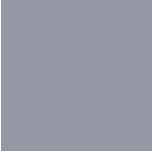
63, 12.316, 291.507

Protanopia

63, 12.325, 288.152

Deuteranopia

63, 14.453, 304.821



Tritanopia
63, 6.788, 281.491

Trichromacy



Original Color
63, 12.316, 291.507

Protanomaly
63, 12.316, 289.827

Deuteranomaly
63, 13.667, 300.824

Tritanomaly
63, 8.411, 286.073

Monochromacy



Original Color
63, 12.316, 291.507

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.479, 290.675

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.316, 291.507 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(151, 151, 173)` looks like.

```
.text, #text, p{  
    color:rgb(151, 151, 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(151, 151, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 151, 173) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.316, 291.507 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(151, 151, 173) }
```

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

```
.border{ border-color:rgb(151, 151, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 151, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 151, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 151, 173);  
box-shadow:4px 4px 4px 4px rgb(151, 151,  
173) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.316, 291.507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 151, 173) }
```

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

```
.background{ background-color: rgb(151,  
151, 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](#).

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