

Converting Colors

CIELCh(63, 35.783, 301.811)

Have a look what the booklet for
CIELCh(63, 35.783, 301.811)
contains.

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Color

CIELCh(63, 36.331, 301.719)

Conversions

Conversions Part 1

Format	Color
Hex	9E8FCF
RGB	158, 143, 207
RGB Percent	62%, 56%, 81%
CMY	0.3789, 0.4378, 0.1867
CMYK	0.24, 0.31, 0.00, 0.19
HSL	254°, 40%, 69%
HSV	254°, 31%, 81%
XYZ	35.3634, 31.5869, 63.5167
YIQ	154.7810, -11.6040, 23.0840

Conversions

Conversions Part 2

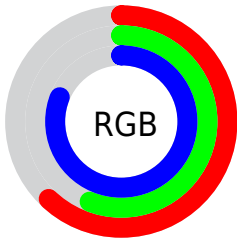
Format	Color
R_{YB}	158, 143, 207
Decimal	10391503
CIE _{Lab}	63.00, 19.10, -30.90
CIE _{LCh}	63, 36.331, 301.719
Yxy	31.5869, 0.2711, 0.2421
Android (android.graphics.Color)	4288581583 (0xFF9E8FCF)
YUV	154.7810, 25.7440, 2.8231
Hunter-Lab	56.2022, 13.9613, -27.6648

Details

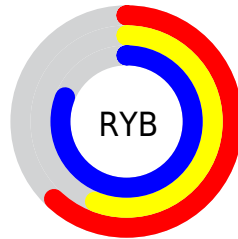
The CIELCh color $63, 36.331, 301.719$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $81, 33.974, 117.327$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 31.379, 303.055$, and $43, 35.854, 301.429$ is the 20% darker color. If you saturate the color by 10%, you get $56, 48.956, 302.716$, and if you desaturate by 10%, it is $70, 24.111, 300.829$.

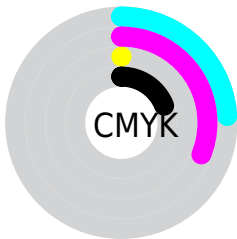
Distribution



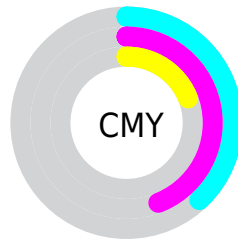
- Red (62%)
- Green (56%)
- Blue (81%)



- Red (62%)
- Yellow (56%)
- Blue (81%)



- Cyan (24%)
- Magenta (31%)
- Yellow (0%)
- Black (19%)





- Cyan (38%)
- Magenta (44%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 36.331, 301.719 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, 36.331, 301.719 by changing the saturation by 10% instead.


 63, 36.331,
301.719


 63, 36.331,
301.719


 100, 36.331,
301.719


 53, 36.331,
301.719


 83, 36.331,
301.719

 43, 36.331,
301.719

 93, 36.331,
301.719

 33, 36.331,
301.719

 23, 36.331,
301.719

 13, 36.331,
301.719

 3, 36.331, 301.719

 0, 36.331, 301.719

63, 36.331,
301.719

63, 36.331,
301.719

56, 48.956,
302.716

70, 24.111,
300.829

50, 61.894,
303.806

76, 12.329,
300.048

44, 74.904,
304.944

83, 0.979, 299.346

38, 87.486,
306.040

89, 9.957, 118.787

96, 20.502,
118.280

33, 98.733,
306.941

99, 24.045,
109.565

30, 107.330,
307.441

99, 24.036,
108.355

27, 112.364,
307.517

Harmonies

Complementary

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



63, 36.331, 301.719



81, 33.974, 117.327

Rectangle

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



63, 36.331, 301.719



63, 36.331, 351.719



63, 36.331, 121.719



63, 36.331, 171.719

Sweetspot

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



63, 36.330, 301.719



93, 12.032, 299.921



75, 17.822, 225.430



49, 8.383, 300.027



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 36.330, 301.719



71, 52.102, 302.363



66, 39.082, 318.103



40, 6.461, 299.943



21, 96.039, 307.628



2, 25.839, 299.123

Inverse Universe

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



67, 35.505, 333.826



78, 50.123, 334.307



79, 38.314, 135.257



41, 6.533, 332.335



38, 70.777, 340.226



5, 25.956, 337.358

Previews

White Background



This preview shows how the CIELCh color 63, 36.331, 301.719 looks on a white background.

Color Contrast Check

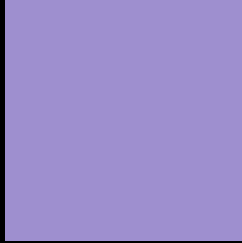
Large Text (above 18pt) WCAG AA × Fail

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, 36.331, 301.719 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

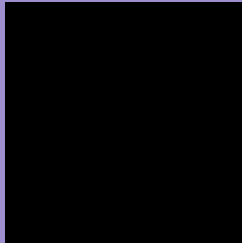
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 36.331, 301.719

Background



This preview shows how black text looks on a background with the CIELCh color 63, 36.331, 301.719.



This preview shows how white text looks on a background with the CIELCh color 63, 36.331, 301.719.

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, 36.331, 301.719

Protanopia

63, 35.428, 285.356

Deuteranopia

63, 31.465, 285.917



Tritanopia
63, 6.744, 284.597

Trichromacy



Original Color
63, 36.331, 301.719

Protanomaly
63, 35.255, 290.789

Deuteranomaly
63, 33.016, 291.969

Tritanomaly
63, 17.461, 296.715

Monochromacy



Original Color
63, 36.331, 301.719

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 13.025, 299.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 36.331, 301.719 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(158, 143, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 143, 207)  
}
```

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(158, 143, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 143, 207) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 36.331, 301.719 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(158, 143, 207) }
```

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

```
.border{ border-color:rgb(158, 143, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 143, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 143, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 143, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 143,  
207) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 36.331, 301.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 143, 207) }
```

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

```
.background{ background-color: rgb(158,  
143, 207) }
```

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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