

Converting Colors

CIELCh(63, 37.775, 298.384)

Have a look what the booklet for
CIELCh(63, 37.775, 298.384)
contains.

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Color

CIELCh(63, 38.293, 298.474)

Conversions

Conversions Part 1

Format	Color
Hex	9990D4
RGB	153, 144, 212
RGB Percent	60%, 56%, 83%
CMY	0.3990, 0.4343, 0.1676
CMYK	0.28, 0.32, 0.00, 0.17
HSL	248°, 44%, 70%
HSV	248°, 32%, 83%
XYZ	35.1148, 31.5869, 66.7118
YIQ	154.4430, -16.4640, 23.0560

Conversions

Conversions Part 2

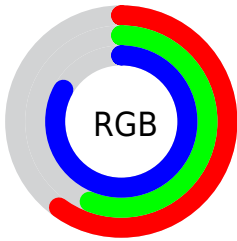
Format	Color
RYB	153, 144, 212
Decimal	10064084
CIELab	63.00, 18.26, -33.66
CIELCh	63, 38.293, 298.474
Yxy	31.5869, 0.2632, 0.2368
Android (android.graphics.Color)	4288254164 (0xFF9990D4)
YUV	154.4430, 28.3756, -1.2655
Hunter-Lab	56.2022, 13.1718, -31.0354

Details

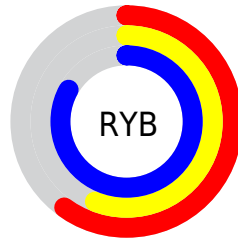
The CIELCh color $63, 38.293, 298.474$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $83, 35.488, 112.908$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 30.533, 299.524$, and $43, 38.017, 298.255$ is the 20% darker color. If you saturate the color by 10%, you get $56, 51.244, 299.762$, and if you desaturate by 10%, it is $70, 25.818, 297.346$.

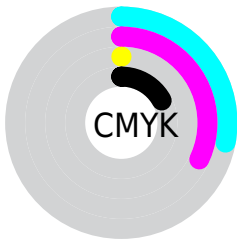
Distribution



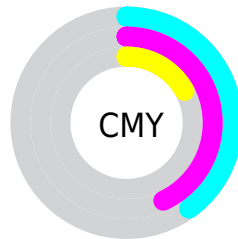
- Red (60%)
- Green (56%)
- Blue (83%)



- Red (60%)
- Yellow (56%)
- Blue (83%)



- Cyan (28%)
- Magenta (32%)
- Yellow (0%)
- Black (17%)



- Cyan (40%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 63, 38.293, 298.474 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, 38.293, 298.474 by changing the saturation by 10% instead.

■ 63, 38.293,
298.474

■ 63, 38.293,
298.474

■ 100, 38.293,
298.474

■ 53, 38.293,
298.474

■ 83, 38.293,
298.474

■ 43, 38.293,
298.474

■ 93, 38.293,
298.474

■ 33, 38.293,
298.474

■ 23, 38.293,
298.474

■ 13, 38.293,
298.474

■ 3, 38.293, 298.474

■ 0, 38.293, 298.474

63, 38.293,
298.474

63, 38.293,
298.474

56, 51.244,
299.762

70, 25.818,
297.346

49, 64.596,
301.200

77, 13.830,
296.371

43, 78.114,
302.738

84, 2.309, 295.538

37, 91.240,
304.264

90, 8.773, 114.812

97, 19.444,
114.198

32, 102.891,
305.579

99, 21.589,
108.542

29, 111.461,
306.418

27, 115.682,
306.737

Harmonies

Complementary

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



63, 38.293, 298.474



83, 35.488, 112.908

Rectangle

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



63, 38.293, 298.474



63, 38.293, 348.474



63, 38.293, 118.474



63, 38.293, 168.474

Sweetspot

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



63, 38.292, 298.474



92, 13.277, 296.199



78, 19.982, 210.405



48, 9.083, 296.324



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, 38.292, 298.474



70, 53.367, 299.274



66, 40.428, 314.442



41, 6.533, 296.139



20, 98.295, 306.811



2, 27.732, 297.341

Inverse Universe

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



68, 40.262, 330.202



77, 55.129, 330.594



81, 39.133, 131.561



42, 7.163, 328.809



39, 77.215, 334.279



6, 29.904, 332.879

Previews

White Background



This preview shows how the CIELCh color 63, 38.293, 298.474 looks on a white background.

Color Contrast Check

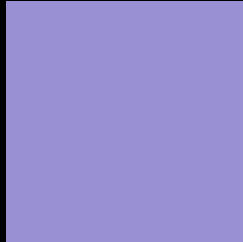
Large Text (above 18pt) WCAG AA × Fail

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, 38.293, 298.474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

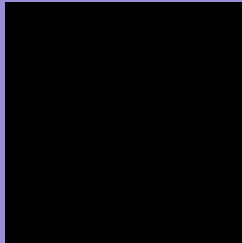
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 38.293, 298.474

Background



This preview shows how black text looks on a background with the CIELCh color 63, 38.293, 298.474.

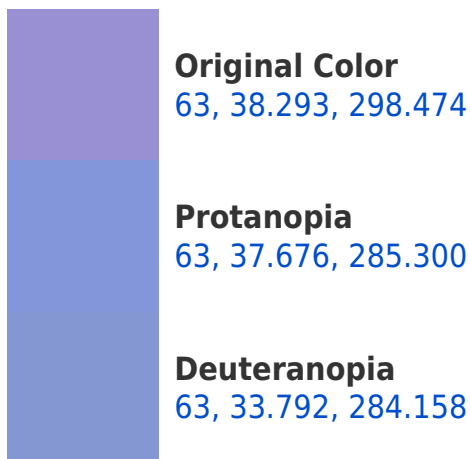


This preview shows how white text looks on a background with the CIELCh color 63, 38.293, 298.474.

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





Tritanopia
63, 7.913, 266.405

Trichromacy



Original Color
63, 38.293, 298.474

Protanomaly
63, 37.506, 289.831

Deuteranomaly
63, 34.706, 289.123

Tritanomaly
63, 18.492, 288.916

Monochromacy



Original Color
63, 38.293, 298.474

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 14.049, 296.095

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 38.293, 298.474 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(153, 144, 212)` looks like.

```
.text, #text, p{  
    color:rgb(153, 144, 212)  
}
```

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(153, 144, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 144, 212) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 38.293, 298.474 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(153, 144, 212) }
```

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

```
.border{ border-color:rgb(153, 144, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 144, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 144, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 144, 212);  
box-shadow:4px 4px 4px 4px rgb(153, 144,  
212) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 38.293, 298.474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 144, 212) }
```

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

```
.background{ background-color: rgb(153,  
144, 212) }
```

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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