

Converting Colors

CIELCh(63, 15.086, 296.982)

Have a look what the booklet for
CIELCh(63, 15.086, 296.982)
contains.

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Color

CIELCh(63, 15.233, 297.230)

Conversions

Conversions Part 1

Format	Color
Hex	9995B0
RGB	153, 149, 176
RGB Percent	60%, 58%, 69%
CMY	0.3984, 0.4141, 0.3082
CMYK	0.13, 0.15, 0.00, 0.31
HSL	249°, 15%, 64%
HSV	249°, 15%, 69%
XYZ	31.9040, 31.5869, 45.7073
YIQ	153.2740, -6.2830, 9.2450

Conversions

Conversions Part 2

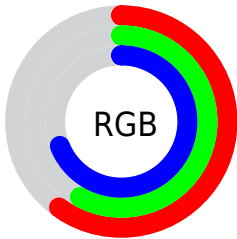
Format	Color
R_{YB}	153, 149, 176
Decimal	10065328
CIE _{Lab}	63.00, 6.97, -13.54
CIE _{LCh}	63, 15.233, 297.230
Yxy	31.5869, 0.2922, 0.2893
Android (android.graphics.Color)	4288255408 (0xFF9995B0)
YUV	153.2740, 11.2039, -0.2403
Hunter-Lab	56.2022, 2.9742, -8.8769

Details

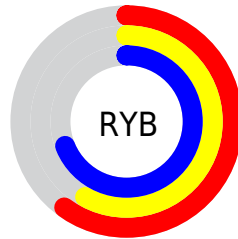
The CIELCh color $63, 15.233, 297.230$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $71, 14.733, 114.859$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 15.450, 296.620$, and $43, 15.197, 298.061$ is the 20% darker color. If you saturate the color by 10%, you get $57, 25.676, 298.203$, and if you desaturate by 10%, it is $69, 5.187, 296.386$.

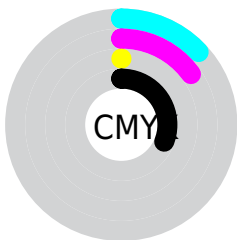
Distribution



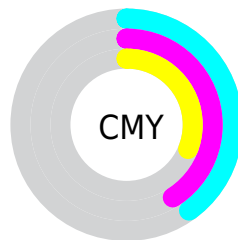
- Red (60%)
- Green (58%)
- Blue (69%)



- Red (60%)
- Yellow (58%)
- Blue (69%)



- Cyan (13%)
- Magenta (15%)
- Yellow (0%)
- Black (31%)





- Cyan (40%)
- Magenta (41%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 15.233, 297.230 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, 15.233, 297.230 by changing the saturation by 10% instead.


 63, 15.233,
297.230


 63, 15.233,
297.230


 100, 15.233,
297.230


 53, 15.233,
297.230


 83, 15.233,
297.230

 43, 15.233,
297.230

 93, 15.233,
297.230

 33, 15.233,
297.230

 23, 15.233,
297.230

 13, 15.233,
297.230

 3, 15.233, 297.230

 0, 15.233, 297.230

63, 15.233,
297.230

63, 15.233,
297.230

57, 25.676,
298.203

69, 5.187, 296.386

51, 36.529,
299.323

75, 4.478, 115.658

45, 47.769,
300.590

81, 13.787,
115.037

40, 59.300,
301.985

86, 22.764,
114.502

34, 70.866,
303.447

92, 31.432,
114.042

29, 81.909,
304.853

98, 39.677,
113.531

25, 91.414,
305.997

98, 39.402,
107.171

23, 98.047,

306.639

■ 21, 100.528,
306.894

Harmonies

Complementary

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



63, 15.233, 297.230



71, 14.733, 114.859

Rectangle

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



63, 15.233, 297.230



63, 15.233, 347.230



63, 15.233, 117.230



63, 15.233, 167.230

Sweetspot

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



63, 15.231, 297.228



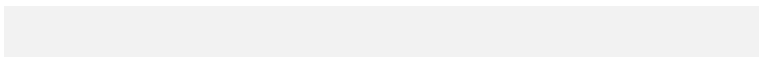
87, 6.046, 296.369



69, 8.605, 212.117



46, 4.125, 296.422



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 15.231, 297.228



78, 22.306, 297.506



64, 16.413, 314.215



35, 5.624, 296.709



18, 90.423, 306.957



1, 13.372, 294.670

Inverse Universe

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



65, 16.372, 329.673



81, 23.865, 329.858



70, 16.175, 132.939



35, 6.095, 329.304



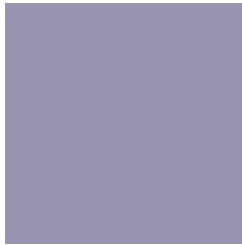
35, 70.409, 335.045



2, 13.996, 331.028

Previews

White Background



This preview shows how the CIELCh color 63, 15.233, 297.230 looks on a white background.

Color Contrast Check

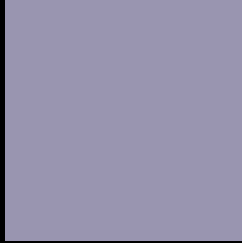
Large Text (above 18pt) WCAG AA × Fail

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, 15.233, 297.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

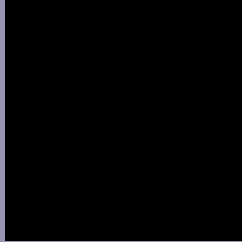
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 15.233, 297.230

Background



This preview shows how black text looks on a background with the CIELCh color 63, 15.233, 297.230.



This preview shows how white text looks on a background with the CIELCh color 63, 15.233, 297.230.

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

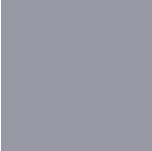
63, 15.233, 297.230

Protanopia

63, 15.151, 286.434

Deuteranopia

63, 15.934, 300.969



Tritanopia
63, 6.719, 287.743

Trichromacy



Original Color
63, 15.233, 297.230

Protanomaly
63, 15.126, 290.460

Deuteranomaly
63, 15.878, 299.677

Tritanomaly
63, 10.092, 293.353

Monochromacy



Original Color
63, 15.233, 297.230

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 5.657, 298.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 15.233, 297.230 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, 149, 176)` looks like.

```
.text, #text, p{  
    color:rgb(153, 149, 176)  
}
```

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, 149, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 149, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 15.233, 297.230 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, 149, 176) }
```

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

```
.border{ border-color:rgb(153, 149, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 149, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 149, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 149, 176);  
box-shadow:4px 4px 4px 4px rgb(153, 149,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 15.233, 297.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 149, 176) }
```

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

```
.background{ background-color: rgb(153,  
149, 176) }
```

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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