

Converting Colors

CIELCh(63, 16.911, 296.828)

Have a look what the booklet for
CIELCh(63, 16.911, 296.828)
contains.

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Color

CIELCh(63, 16.904, 296.825)

Conversions

Conversions Part 1

Format	Color
Hex	9995B3
RGB	153, 149, 179
RGB Percent	60%, 58%, 70%
CMY	0.3994, 0.4151, 0.2975
CMYK	0.15, 0.17, 0.00, 0.30
HSL	248°, 17%, 64%
HSV	248°, 17%, 70%
XYZ	32.0856, 31.5869, 47.1321
YIQ	153.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

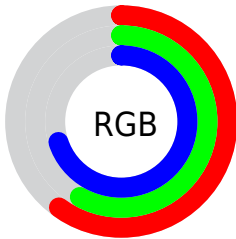
Format	Color
R_{YB}	153, 149, 179
Decimal	10065331
CIE _{Lab}	63.00, 7.63, -15.08
CIE _{LCh}	63, 16.904, 296.825
Yxy	31.5869, 0.2896, 0.2851
Android (android.graphics.Color)	4288255411 (0xFF9995B3)
YUV	153.6160, 12.5143, -0.5402
Hunter-Lab	56.2022, 3.5510, -10.3800

Details

The CIELCh color $63, 16.904, 296.825$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $72, 16.292, 114.140$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 17.065, 297.397$, and $43, 16.992, 297.637$ is the 20% darker color. If you saturate the color by 10%, you get $57, 27.533, 297.851$, and if you desaturate by 10%, it is $69, 6.683, 295.937$.

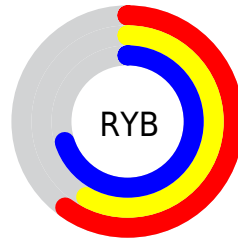
Distribution



Red (60%)

Green (58%)

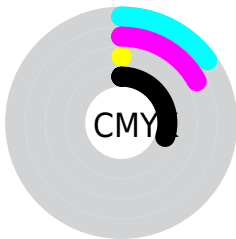
Blue (70%)



Red (60%)

Yellow (58%)

Blue (70%)

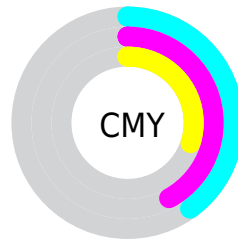


Cyan (15%)

Magenta (17%)

Yellow (0%)

Black (30%)



Cyan (40%)


Magenta (42%)


Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 16.904, 296.825 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, 16.904, 296.825 by changing the saturation by 10% instead.


 63, 16.904,
296.825


 63, 16.904,
296.825


 100, 16.904,
296.825


 53, 16.904,
296.825


 83, 16.904,
296.825

 43, 16.904,
296.825

 93, 16.904,
296.825

 33, 16.904,
296.825

 23, 16.904,
296.825

 13, 16.904,
296.825

 3, 16.904, 296.825

 0, 16.904, 296.825

63, 16.904,
296.825

63, 16.904,
296.825

57, 27.533,
297.851

69, 6.683, 295.937

51, 38.583,
299.033

75, 3.147, 115.169

45, 50.027,
300.369

81, 12.612,
114.518

39, 61.753,
301.837

87, 21.736,
113.957

34, 73.471,
303.367

92, 30.543,
113.475

29, 84.546,
304.819

98, 38.232,
112.290

25, 93.857,
305.970

98, 38.064,
107.275

22, 100.114,

306.599

■ 22, 101.830,
306.798

Harmonies

Complementary

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



63, 16.904, 296.825



72, 16.292, 114.140

Rectangle

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



63, 16.904, 296.825



63, 16.904, 346.825



63, 16.904, 116.825



63, 16.904, 166.825

Sweetspot

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



63, 16.902, 296.823



88, 6.094, 295.803



70, 9.613, 210.249



47, 4.196, 295.858



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 16.902, 296.823



77, 25.086, 297.175



64, 18.140, 313.734



35, 5.618, 296.152



18, 90.555, 306.861



1, 13.363, 294.222

Inverse Universe

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



65, 18.334, 329.275



81, 27.047, 329.493



71, 17.839, 132.324



35, 6.159, 328.822



35, 71.210, 334.261



2, 14.200, 330.321

Previews

White Background



This preview shows how the CIELCh color 63, 16.904, 296.825 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, 16.904, 296.825 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

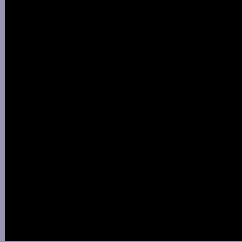
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 16.904, 296.825

Background



This preview shows how black text looks on a background with the CIELCh color 63, 16.904, 296.825.



This preview shows how white text looks on a background with the CIELCh color 63, 16.904, 296.825.

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, 16.904, 296.825

Protanopia

63, 16.289, 285.723

Deuteranopia

63, 16.941, 298.033



Tritanopia
63, 6.744, 284.597

Trichromacy



Original Color
63, 16.904, 296.825

Protanomaly
63, 16.803, 290.780

Deuteranomaly
63, 16.941, 298.033

Tritanomaly
63, 10.639, 291.331

Monochromacy



Original Color
63, 16.904, 296.825

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 6.211, 297.769

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 16.904, 296.825 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(153, 149, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 149, 179) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 16.904, 296.825 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, 179) }
```

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

```
.border{ border-color:rgb(153, 149, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 149, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 149, 179);  
box-shadow:4px 4px 4px 4px rgb(153, 149,  
179) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 16.904, 296.825 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, 179) }
```

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

```
.background{ background-color: rgb(153,  
149, 179) }
```

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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