

Converting Colors

CIELCh(63, 12.432, 316.215)

Have a look what the booklet for
CIELCh(63, 12.432, 316.215)
contains.

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Color

CIELCh(63, 12.418, 316.212)

Conversions

Conversions Part 1

Format	Color
Hex	A294A8
RGB	162, 148, 168
RGB Percent	64%, 58%, 66%
CMY	0.3656, 0.4205, 0.3421
CMYK	0.04, 0.12, 0.00, 0.34
HSL	282°, 10%, 62%
HSV	282°, 12%, 66%
XYZ	32.4565, 31.5869, 41.3215
YIQ	154.4660, 1.9240, 9.1880

Conversions

Conversions Part 2

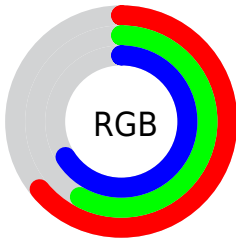
Format	Color
R_{YB}	162, 148, 168
Decimal	10654888
CIE _{Lab}	63.00, 8.96, -8.59
CIE _{LCh}	63, 12.418, 316.212
Yxy	31.5869, 0.3080, 0.2998
Android (android.graphics.Color)	4288844968 (0xFFA294A8)
YUV	154.4660, 6.6723, 6.6073
Hunter-Lab	56.2022, 4.7290, -4.2502

Details

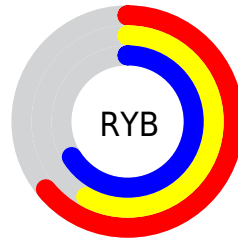
The CIELCh color $63, 12.418, 316.212$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 12.299, 135.235$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 12.385, 316.564$, and $43, 12.618, 315.879$ is the 20% darker color. If you saturate the color by 10%, you get $58, 23.046, 316.645$, and if you desaturate by 10%, it is $68, 1.980, 315.730$.

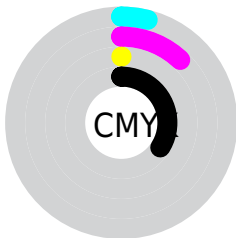
Distribution



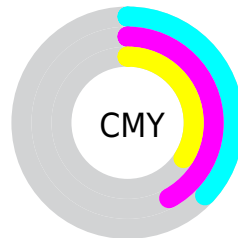
- Red (64%)
- Green (58%)
- Blue (66%)



- Red (64%)
- Yellow (58%)
- Blue (66%)



- Cyan (4%)
- Magenta (12%)
- Yellow (0%)
- Black (34%)





- Cyan (37%)
- Magenta (42%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 12.418, 316.212 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, 12.418, 316.212 by changing the saturation by 10% instead.


 63, 12.418,
316.212


 63, 12.418,
316.212


 100, 12.418,
316.212


 53, 12.418,
316.212


 83, 12.418,
316.212

 43, 12.418,
316.212

 93, 12.418,
316.212

 33, 12.418,
316.212

 23, 12.418,
316.212

 13, 12.418,
316.212

 3, 12.418, 316.212

 0, 12.418, 316.212

63, 12.418,
316.212

63, 12.418,
316.212

58, 23.046,
316.645

68, 1.980, 315.730

54, 33.774,
317.076

73, 8.207, 135.439

49, 44.444,
317.487

78, 18.120,
135.065

45, 54.811,
317.850

83, 27.749,
134.728

41, 64.523,
318.123

87, 37.095,
134.422

37, 73.114,
318.254

92, 46.164,
134.147


34, 80.045,
318.182


94, 49.115,
132.966

32, 84.842,

95, 48.295,
131.120

317.846

 95, 47.523,
129.181

 31, 87.487,
317.430

Harmonies

Complementary

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



63, 12.418, 316.212



67, 12.299, 135.235

Rectangle

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



63, 12.418, 316.212



63, 12.418, 6.212



63, 12.418, 136.212



63, 12.418, 186.212

Sweetspot

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



63, 12.416, 316.211



85, 5.143, 315.860



64, 7.926, 274.003



45, 3.652, 315.896



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



63, 12.416, 316.211



79, 18.181, 316.312



63, 11.912, 330.651



33, 5.896, 316.097



27, 79.703, 317.527



1, 10.455, 313.312

Inverse Universe

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



63, 8.487, 357.040



79, 12.456, 357.293



67, 11.876, 149.208



33, 4.020, 356.761



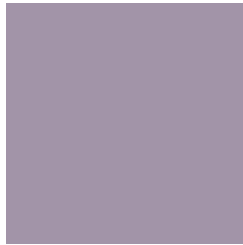
31, 58.091, 20.006



2, 7.051, 358.915

Previews

White Background



This preview shows how the CIELCh color 63, 12.418, 316.212 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, 12.418, 316.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

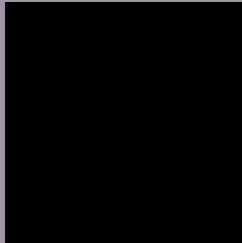
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 12.418, 316.212

Background



This preview shows how black text looks on a background with the CIELCh color 63, 12.418, 316.212.



This preview shows how white text looks on a background with the CIELCh color 63, 12.418, 316.212.

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, 12.418, 316.212

Protanopia

63, 10.639, 289.368

Deuteranopia

63, 12.121, 312.967



Tritanopia
63, 8.159, 324.815

Trichromacy



Original Color
63, 12.418, 316.212

Protanomaly
63, 10.772, 299.180

Deuteranomaly
63, 12.265, 314.607

Tritanomaly
63, 9.099, 320.861

Monochromacy



Original Color
63, 12.418, 316.212

Achromatopsia
64, 0.008, 296.813

Achromatomaly
63, 4.375, 316.328

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 12.418, 316.212 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(162, 148, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 148, 168)  
}
```

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(162, 148, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 148, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 12.418, 316.212 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(162, 148, 168) }
```

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

```
.border{ border-color:rgb(162, 148, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 148, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 148, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 148, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 148,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 12.418, 316.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 148, 168) }
```

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

```
.background{ background-color: rgb(162,  
148, 168) }
```

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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