

Converting Colors

CIELCh(64, 12.952, 302.743)

Have a look what the booklet for
CIELCh(64, 12.952, 302.743)
contains.

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Color

CIELCh(64, 12.592, 303.212)

Conversions

Conversions Part 1

Format	Color
Hex	9F98AE
RGB	159, 152, 174
RGB Percent	62%, 60%, 68%
CMY	0.3772, 0.4046, 0.3183
CMYK	0.09, 0.13, 0.00, 0.32
HSL	259°, 12%, 64%
HSV	259°, 13%, 68%
XYZ	33.0854, 32.8017, 44.5402
YIQ	156.6010, -2.8900, 8.3260

Conversions

Conversions Part 2

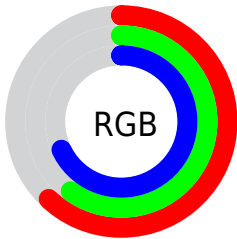
Format	Color
R_{YB}	159, 152, 174
Decimal	10459310
CIE _{Lab}	64.00, 6.90, -10.54
CIE _{LCh}	64, 12.592, 303.212
Yxy	32.8017, 0.2996, 0.2970
Android (android.graphics.Color)	4288649390 (0xFF9F98AE)
YUV	156.6010, 8.5777, 2.1039
Hunter-Lab	57.2727, 2.8890, -6.0181

Details

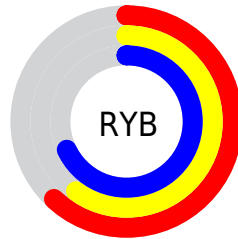
The CIELCh color $64, 12.592, 303.212$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 12.297, 121.791$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 12.509, 304.135$, and $44, 12.938, 304.012$ is the 20% darker color. If you saturate the color by 10%, you get $58, 22.928, 303.879$, and if you desaturate by 10%, it is $70, 2.600, 302.605$.

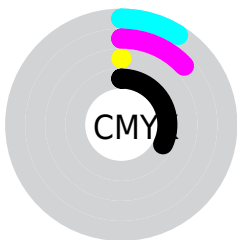
Distribution



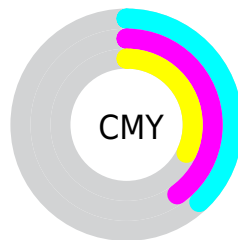
- Red (62%)
- Green (60%)
- Blue (68%)



- Red (62%)
- Yellow (60%)
- Blue (68%)



- Cyan (9%)
- Magenta (13%)
- Yellow (0%)
- Black (32%)




- Cyan (38%)
- Magenta (40%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.592, 303.212 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 64, 12.592, 303.212 by changing the saturation by 10% instead.

 64, 12.592,
303.212


 64, 12.592,
303.212


 100, 12.592,
303.212


 54, 12.592,
303.212


 84, 12.592,
303.212

 44, 12.592,
303.212

 94, 12.592,
303.212

 34, 12.592,
303.212

 24, 12.592,
303.212

 14, 12.592,
303.212

 4, 12.592, 303.212

 0, 12.592, 303.212

64, 12.592,
303.212

64, 12.592,
303.212

58, 22.928,
303.879

70, 2.600, 302.605

53, 33.600,
304.624

75, 7.046, 122.115

47, 44.556,
305.440

81, 16.363,
121.662

42, 55.676,
306.301

86, 25.366,
121.272

37, 66.712,
307.162

91, 34.073,
120.935

32, 77.203,
307.936

97, 41.895,
120.285


28, 86.397,
308.490


97, 41.027,
114.201

25, 93.301,

98, 40.677,
107.813

308.656

 98, 40.672,
107.073

 23, 97.067,
308.611

Harmonies

Complementary

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



64, 12.592, 303.212



70, 12.297, 121.791

Rectangle

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



64, 12.592, 303.212



64, 12.592, 353.212



64, 12.592, 123.212



64, 12.592, 173.212

Sweetspot

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



64, 12.590, 303.210



87, 4.878, 302.691



67, 6.603, 234.756



46, 3.498, 302.735



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 12.590, 303.210



80, 18.624, 303.377



65, 14.008, 319.853



34, 5.591, 303.002



19, 87.156, 308.721



1, 11.553, 300.267

Inverse Universe

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



65, 11.836, 335.876



82, 17.462, 336.070



69, 13.924, 138.722



34, 5.272, 335.628



33, 61.764, 345.860



2, 10.347, 339.106

Previews

White Background



This preview shows how the CIELCh color 64, 12.592, 303.212 looks on a white background.

Color Contrast Check

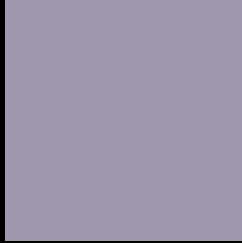
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 12.592, 303.212 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

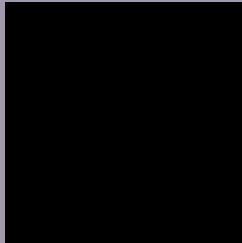
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

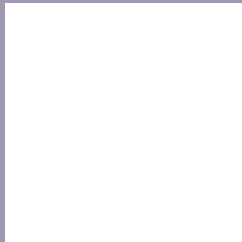
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.592, 303.212

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.592, 303.212.



This preview shows how white text looks on a background with the CIELCh color 64, 12.592, 303.212.

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


64, 12.592, 303.212

Protanopia

64, 11.725, 287.898

Deuteranopia

64, 13.418, 307.393



Tritanopia
64, 6.890, 303.436

Trichromacy



Original Color
64, 12.592, 303.212

Protanomaly
64, 12.297, 293.178

Deuteranomaly
64, 13.320, 305.861

Tritanomaly
64, 8.606, 303.533

Monochromacy



Original Color
64, 12.592, 303.212

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.623, 304.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.592, 303.212 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(159, 152, 174)` looks like.

```
.text, #text, p{  
    color:rgb(159, 152, 174)  
}
```

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(159, 152, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 152, 174) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.592, 303.212 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(159, 152, 174) }
```

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

```
.border{ border-color:rgb(159, 152, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 152, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 152, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 152, 174);  
box-shadow:4px 4px 4px 4px rgb(159, 152,  
174) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.592, 303.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 152, 174) }
```

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

```
.background{ background-color: rgb(159,  
152, 174) }
```

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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