

Converting Colors

CIELCh(64, 11.087, 298.780)

Have a look what the booklet for
CIELCh(64, 11.087, 298.780)
contains.

CIELCh(64, 10.733, 299.166)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 10.733, 299.166)

Conversions

Conversions Part 1

Format	Color
Hex	9D99AC
RGB	157, 153, 172
RGB Percent	62%, 60%, 67%
CMY	0.3854, 0.4011, 0.3266
CMYK	0.09, 0.11, 0.00, 0.33
HSL	253°, 10%, 64%
HSV	253°, 11%, 67%
XYZ	32.6174, 32.8017, 43.5018
YIQ	156.3620, -3.7150, 6.7570

Conversions

Conversions Part 2

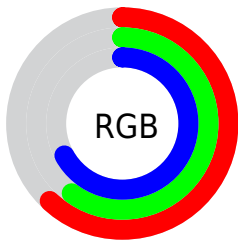
Format	Color
R_{YB}	157, 153, 172
Decimal	10328492
CIE _{Lab}	64.00, 5.23, -9.37
CIE _{LCh}	64, 10.733, 299.166
Yxy	32.8017, 0.2995, 0.3012
Android (android.graphics.Color)	4288518572 (0xFF9D99AC)
YUV	156.3620, 7.7095, 0.5595
Hunter-Lab	57.2727, 1.4302, -4.9430

Details

The CIELCh color **64, 10.733, 299.166** is a light color, and the websafe version is hex **999999**. A complement of this color would be **69, 10.485, 117.671**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 10.733, 300.478**, and **44, 10.939, 299.861** is the 20% darker color. If you saturate the color by 10%, you get **58, 20.817, 299.971**, and if you desaturate by 10%, it is **70, 1.017, 298.449**.

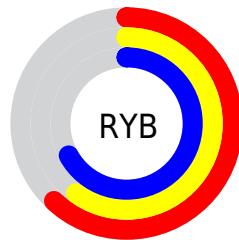
Distribution



Red (62%)

Green (60%)

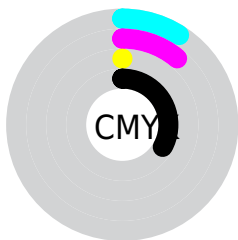
Blue (67%)



Red (62%)

Yellow (60%)

Blue (67%)

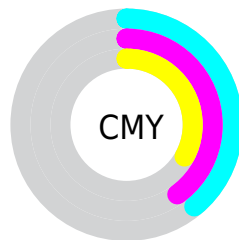


Cyan (9%)

Magenta (11%)

Yellow (0%)

Black (33%)



Cyan (39%)


Magenta (40%)


Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 10.733, 299.166 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, 10.733, 299.166 by changing the saturation by 10% instead.


 64, 10.733,
299.166


 64, 10.733,
299.166


 100, 10.733,
299.166


 54, 10.733,
299.166


 84, 10.733,
299.166

 44, 10.733,
299.166

 94, 10.733,
299.166

 34, 10.733,
299.166

 24, 10.733,
299.166

 14, 10.733,
299.166

 4, 10.733, 299.166

 0, 10.733, 299.166

64, 10.733,
299.166

64, 10.733,
299.166

58, 20.817,
299.971

70, 1.017, 298.449

53, 31.281,
300.894

75, 8.344, 117.857

47, 42.105,
301.933

81, 17.371,
117.333

41, 53.218,
303.076

86, 26.085,
116.883

36, 64.434,
304.282

92, 34.506,
116.495

31, 75.354,
305.465

97, 42.257,
115.869

27, 85.233,
306.477

98, 41.720,
108.788

24, 92.951,

98, 41.696,
106.994

307.109

■ 21, 97.817,
307.386

Harmonies

Complementary

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



64, 10.733, 299.166



69, 10.485, 117.671

Rectangle

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



64, 10.733, 299.166



64, 10.733, 349.166



64, 10.733, 119.166



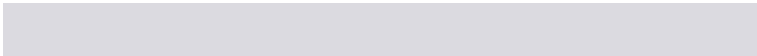
64, 10.733, 169.166

Sweetspot

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



64, 10.731, 299.163



87, 3.573, 298.590



68, 5.898, 219.880



46, 2.707, 298.644



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 10.731, 299.163



80, 15.744, 299.329



65, 11.734, 316.176



34, 5.520, 299.032



18, 88.649, 307.463



1, 11.444, 296.896

Inverse Universe

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



65, 11.047, 331.554



82, 16.164, 331.696



69, 11.630, 135.276



34, 5.694, 331.439



34, 66.412, 338.590



2, 11.329, 333.695

Previews

White Background



This preview shows how the CIELCh color 64, 10.733, 299.166 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, 10.733, 299.166 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

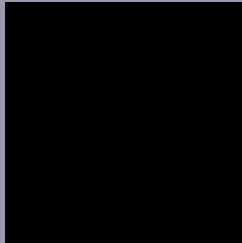
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

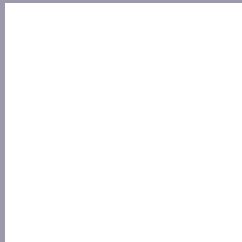
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 10.733, 299.166

Background



This preview shows how black text looks on a background with the CIELCh color 64, 10.733, 299.166.



This preview shows how white text looks on a background with the CIELCh color 64, 10.733, 299.166.

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, 10.733, 299.166

Protanopia

64, 10.044, 289.173

Deuteranopia

64, 12.469, 310.420



Tritanopia
64, 6.750, 297.235

Trichromacy



Original Color
64, 10.733, 299.166

Protanomaly
64, 10.044, 291.253

Deuteranomaly
64, 11.595, 306.081

Tritanomaly
64, 7.859, 296.425

Monochromacy



Original Color
64, 10.733, 299.166

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.930, 296.105

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 10.733, 299.166 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(157, 153, 172)` looks like.

```
.text, #text, p{  
    color:rgb(157, 153, 172)  
}
```

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(157, 153, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 153, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 10.733, 299.166 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(157, 153, 172) }
```

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

```
.border{ border-color:rgb(157, 153, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 153, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 153, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 153, 172);  
box-shadow:4px 4px 4px 4px rgb(157, 153,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 10.733, 299.166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 153, 172) }
```

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

```
.background{ background-color: rgb(157,  
153, 172) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor