

Converting Colors

CIELCh(64, 4.909, 233.641)

Have a look what the booklet for
CIELCh(64, 4.909, 233.641) contains.

CIELCh(64, 4.894, 233.976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(64, 4.894, 233.976)

Conversions

Conversions Part 1

Format	Color
Hex	929DA2
RGB	146, 157, 162
RGB Percent	57%, 62%, 64%
CMY	0.4277, 0.3846, 0.3650
CMYK	0.10, 0.03, 0.00, 0.36
HSL	199°, 8%, 60%
HSV	199°, 10%, 64%
XYZ	30.4028, 32.8017, 38.8792
YIQ	154.2810, -8.1610, -0.7770

Conversions

Conversions Part 2

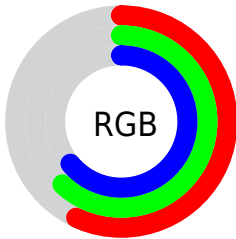
Format	Color
RYB	146, 153, 162
Decimal	9608610
CIELab	64.00, -2.88, -3.96
CIELCh	64, 4.894, 233.976
Yxy	32.8017, 0.2978, 0.3213
Android (android.graphics.Color)	4287798690 (0xFF929DA2)
YUV	154.2810, 3.8055, -7.2624
Hunter-Lab	57.2727, -5.4719, -0.1577

Details

The CIELCh color **64, 4.894, 233.976** is a light color, and the websafe version is hex **999999**. A complement of this color would be **63, 5.148, 52.329**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 4.947, 231.494**, and **44, 4.906, 228.331** is the 20% darker color. If you saturate the color by 10%, you get **61, 9.637, 234.909**, and if you desaturate by 10%, it is **67, 0.057, 45.615**.

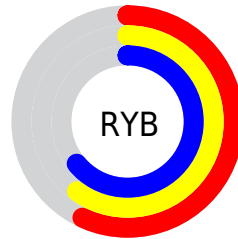
Distribution



Red (57%)

Green (62%)

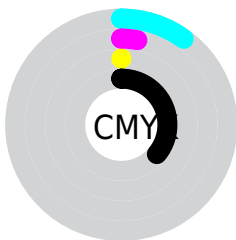
Blue (64%)



Red (57%)

Yellow (60%)

Blue (64%)

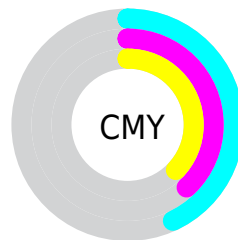


Cyan (10%)

Magenta (3%)

Yellow (0%)

Black (36%)



Cyan (43%)

Magenta (38%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 4.894, 233.976 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, 4.894, 233.976 by changing the saturation by 10% instead.

■ 64, 4.894, 233.976

■ 64, 4.894, 233.976

■ 100, 4.894,
233.976

■ 54, 4.894, 233.976

■ 84, 4.894, 233.976

■ 44, 4.894, 233.976

■ 94, 4.894, 233.976

■ 34, 4.894, 233.976

■ 24, 4.894, 233.976

■ 14, 4.894, 233.976

■ 4, 4.894, 233.976

■ 0, 4.894, 233.976

■ 64, 4.894, 233.976

■ 64, 4.894, 233.976

■ 61, 9.637, 234.909

■ 67, 0.057, 45.615

59, 14.121,
236.145

69, 5.168, 52.365

57, 18.289,
237.709

72, 10.400, 51.903

54, 22.091,
239.671

75, 15.718, 51.514

52, 25.485,
242.114

80, 26.507, 50.942

50, 28.454,
245.124

83, 30.400, 52.320

48, 31.021,
248.768

84, 30.229, 58.181

46, 33.260,
253.068

85, 30.386, 64.041

44, 35.366,
257.772

Harmonies

Complementary

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



64, 4.894, 233.976



63, 5.148, 52.329

Rectangle

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



64, 4.894, 233.976



64, 4.894, 283.976



64, 4.894, 53.976



64, 4.894, 103.976

Sweetspot

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



64, 4.894, 233.957



84, 1.874, 233.588



65, 8.773, 153.637



45, 1.429, 233.592



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 4.894, 233.957



81, 7.357, 234.154



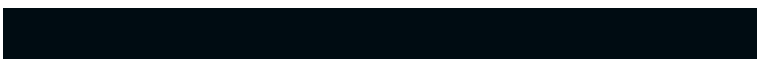
62, 7.263, 281.581



33, 2.823, 233.909



40, 32.549, 257.317



3, 4.497, 240.200

Inverse Universe

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



62, 8.741, 335.426



78, 13.226, 335.597



65, 7.179, 99.288



32, 5.034, 335.381



32, 60.474, 345.366



1, 7.462, 337.242

Previews

White Background



This preview shows how the CIELCh color 64, 4.894, 233.976 looks on a white background.

Color Contrast Check

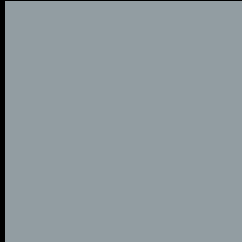
Large Text (above 18pt) WCAG AA × Fail

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 64, 4.894, 233.976 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

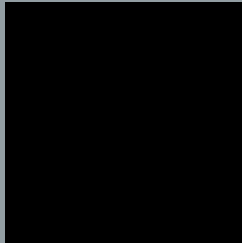
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

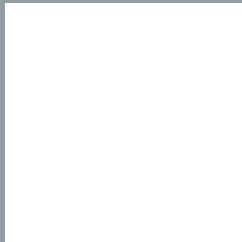
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 4.894, 233.976

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.894, 233.976.



This preview shows how white text looks on a background with the CIELCh color 64, 4.894, 233.976.

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

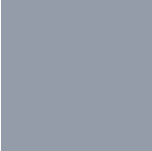
64, 4.894, 233.976

Protanopia

64, 3.447, 303.232

Deuteranopia

64, 9.510, 330.650



Tritanopia
64, 7.389, 264.457

Trichromacy



Original Color
64, 4.894, 233.976

Protanomaly
64, 3.516, 271.876

Deuteranomaly
64, 6.053, 312.711

Tritanomaly
64, 6.421, 259.771

Monochromacy



Original Color
64, 4.894, 233.976

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.870, 236.224

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.894, 233.976 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(146, 157, 162)` looks like.

```
.text, #text, p{  
    color:rgb(146, 157, 162)  
}
```

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(146, 157, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 157, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.894, 233.976 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(146, 157, 162) }
```

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

```
.border{ border-color:rgb(146, 157, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 157, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 157, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 157, 162);  
box-shadow:4px 4px 4px 4px rgb(146, 157,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.894, 233.976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 157, 162) }
```

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

```
.background{ background-color: rgb(146,  
157, 162) }
```

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