

Converting Colors

CIELCh(64, 10.045, 235.236)

Have a look what the booklet for
CIELCh(64, 10.045, 235.236)
contains.

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Color

CIELCh(64, 9.803, 233.642)

Conversions

Conversions Part 1

Format	Color
Hex	889FA9
RGB	136, 159, 169
RGB Percent	53%, 62%, 66%
CMY	0.4674, 0.3772, 0.3380
CMYK	0.20, 0.06, 0.00, 0.34
HSL	198°, 16%, 60%
HSV	198°, 20%, 66%
XYZ	29.6271, 32.8017, 42.2058
YIQ	153.2630, -16.9180, -1.7660

Conversions

Conversions Part 2

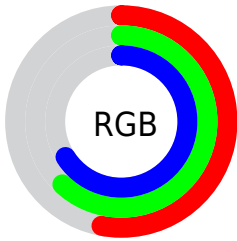
Format	Color
RYB	136, 150, 169
Decimal	8953769
CIELab	64.00, -5.81, -7.89
CIELCh	64, 9.803, 233.642
Yxy	32.8017, 0.2831, 0.3135
Android (android.graphics.Color)	4287143849 (0xFF889FA9)
YUV	153.2630, 7.7583, -15.1397
Hunter-Lab	57.2727, -7.8895, -3.6014

Details

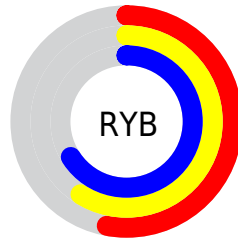
The CIELCh color **64, 9.803, 233.642** is a light color, and the websafe version is hex **999999**. A complement of this color would be **62, 10.936, 50.660**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 9.676, 232.077**, and **44, 9.689, 232.604** is the 20% darker color. If you saturate the color by 10%, you get **61, 14.434, 234.819**, and if you desaturate by 10%, it is **67, 4.895, 232.731**.

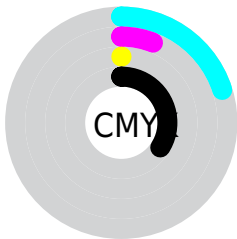
Distribution



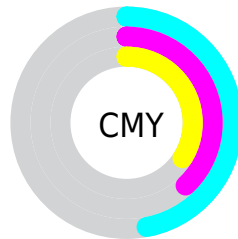
- Red (53%)
- Green (62%)
- Blue (66%)



- Red (53%)
- Yellow (59%)
- Blue (66%)



- Cyan (20%)
- Magenta (6%)
- Yellow (0%)
- Black (34%)



- Cyan (47%)
- Magenta (38%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 9.803, 233.642 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, 9.803, 233.642 by changing the saturation by 10% instead.

■ 64, 9.803, 233.642

■ 64, 9.803, 233.642

■ 100, 9.803,
233.642

■ 54, 9.803, 233.642

■ 84, 9.803, 233.642

■ 44, 9.803, 233.642

■ 94, 9.803, 233.642

■ 34, 9.803, 233.642

■ 24, 9.803, 233.642

■ 14, 9.803, 233.642

■ 4, 9.803, 233.642

■ 0, 9.803, 233.642

■ 64, 9.803, 233.642

■ 64, 9.803, 233.642

■ 61, 14.434,

■ 67, 4.895, 232.731

234.819

69, 0.233, 49.986

59, 18.730,
236.326

72, 5.532, 51.218

57, 22.633,
238.228

75, 10.958, 50.789

78, 16.477, 50.432

54, 26.098,
240.607

80, 22.057, 50.146

52, 29.105,
243.550

83, 27.676, 49.918

85, 27.756, 55.953

50, 31.674,
247.131

86, 27.828, 62.440

48, 33.878,
251.378

47, 35.908,
256.086

47, 36.004,
256.293

Harmonies

Complementary

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



64, 9.803, 233.642



62, 10.936, 50.660

Rectangle

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



64, 9.803, 233.642



64, 9.803, 283.642



64, 9.803, 53.642



64, 9.803, 103.642

Sweetspot

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



64, 9.803, 233.634



86, 3.834, 232.503



66, 18.010, 152.856



45, 2.536, 232.538



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



64, 9.803, 233.634



80, 14.136, 234.058



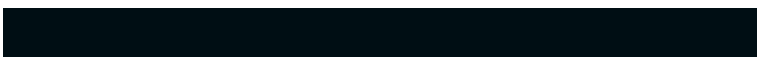
59, 15.066, 282.898



34, 2.896, 232.711



41, 32.507, 255.690



3, 5.420, 241.235

Inverse Universe

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



60, 18.116, 335.744



75, 26.410, 336.035



67, 14.750, 98.183



33, 5.199, 334.996



32, 61.588, 344.717



2, 8.921, 337.620

Previews

White Background



This preview shows how the CIELCh color 64, 9.803, 233.642 looks on a white background.

Color Contrast Check

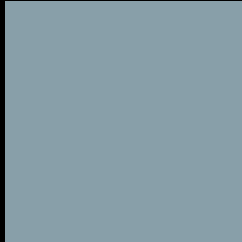
Large Text (above 18pt) WCAG AA × Fail

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, 9.803, 233.642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

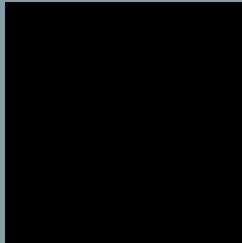
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 9.803, 233.642

Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.803, 233.642.

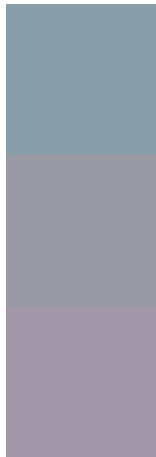


This preview shows how white text looks on a background with the CIELCh color 64, 9.803, 233.642.

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

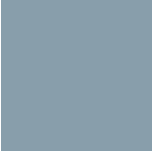
64, 9.803, 233.642

Protanopia

64, 6.699, 290.903

Deuteranopia

64, 11.565, 313.975



Tritanopia
64, 10.506, 242.768

Trichromacy



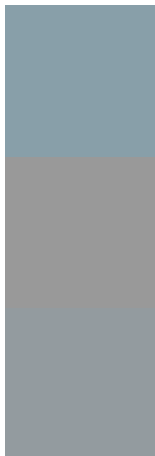
Original Color
64, 9.803, 233.642

Protanomaly
64, 6.900, 262.274

Deuteranomaly
64, 8.931, 288.784

Tritanomaly
64, 10.161, 240.293

Monochromacy



Original Color
64, 9.803, 233.642

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 3.704, 236.448

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 9.803, 233.642 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(136, 159, 169)` looks like.

```
.text, #text, p{  
    color:rgb(136, 159, 169)  
}
```

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(136, 159, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 159, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 9.803, 233.642 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(136, 159, 169) }
```

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

```
.border{ border-color:rgb(136, 159, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 159, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 159, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 159, 169);  
box-shadow:4px 4px 4px 4px rgb(136, 159,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 9.803, 233.642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 159, 169) }
```

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

```
.background{ background-color: rgb(136,  
159, 169) }
```

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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