

Converting Colors

CIELCh(64, 4.359, 233.896)

Have a look what the booklet for
CIELCh(64, 4.359, 233.896) contains.

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Color

CIELCh(64, 4.304, 230.470)

Conversions

Conversions Part 1

Format	Color
Hex	939DA1
RGB	147, 157, 161
RGB Percent	58%, 62%, 63%
CMY	0.4243, 0.3850, 0.3694
CMYK	0.09, 0.02, 0.00, 0.37
HSL	197°, 7%, 60%
HSV	197°, 9%, 63%
XYZ	30.4399, 32.8017, 38.3567
YIQ	154.4660, -7.2440, -0.8760

Conversions

Conversions Part 2

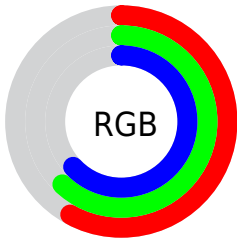
Format	Color
RYB	147, 153, 161
Decimal	9674145
CIELab	64.00, -2.74, -3.32
CIELCh	64, 4.304, 230.470
Yxy	32.8017, 0.2996, 0.3229
Android (android.graphics.Color)	4287864225 (0xFF939DA1)
YUV	154.4660, 3.2213, -6.5477
Hunter-Lab	57.2727, -5.3565, 0.3832

Details

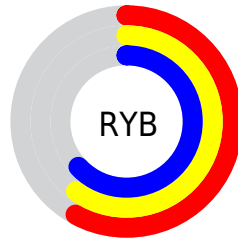
The CIELCh color $64, 4.304, 230.470$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $63, 4.509, 49.171$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 4.396, 227.975$, and $44, 4.575, 230.719$ is the 20% darker color. If you saturate the color by 10%, you get $62, 9.040, 231.238$, and if you desaturate by 10%, it is $66, 0.649, 49.018$.

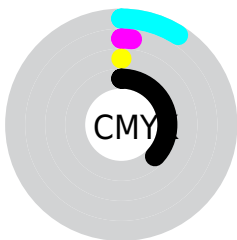
Distribution



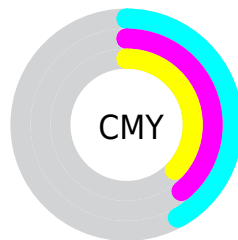
- Red (58%)
- Green (62%)
- Blue (63%)



- Red (58%)
- Yellow (60%)
- Blue (63%)



- Cyan (9%)
- Magenta (2%)
- Yellow (0%)
- Black (37%)



- Cyan (42%)
- Magenta (39%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 4.304, 230.470 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, 4.304, 230.470 by changing the saturation by 10% instead.

■ 64, 4.304, 230.470

■ 64, 4.304, 230.470

■ 100, 4.304,
230.470

■ 54, 4.304, 230.470

■ 84, 4.304, 230.470

■ 44, 4.304, 230.470

■ 94, 4.304, 230.470

■ 34, 4.304, 230.470

■ 24, 4.304, 230.470

■ 14, 4.304, 230.470

■ 4, 4.304, 230.470

■ 0, 4.304, 230.470

■ 64, 4.304, 230.470

■ 64, 4.304, 230.470

■ 62, 9.040, 231.238

■ 66, 0.649, 49.018

59, 13.501,
232.300

69, 5.771, 49.102

57, 17.630,
233.666

72, 11.020, 48.741

55, 21.366,
235.403

74, 16.359, 48.448

53, 24.662,
237.591

80, 27.199, 48.044

51, 27.488,
240.320

82, 31.037, 49.335

49, 29.855,
243.668

83, 30.711, 54.529

47, 31.821,
247.684

84, 30.650, 59.789

46, 33.553,
252.219

Harmonies

Complementary

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



64, 4.304, 230.470



63, 4.509, 49.171

Rectangle

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



64, 4.304, 230.470



64, 4.304, 280.470



64, 4.304, 50.470



64, 4.304, 100.470

Sweetspot

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



64, 4.304, 230.448



83, 1.860, 230.240



65, 7.775, 153.070



44, 1.404, 230.233



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



64, 4.304, 230.448



81, 6.104, 230.546



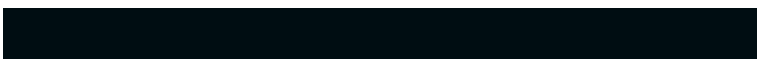
62, 6.236, 280.431



33, 2.828, 230.485



41, 31.268, 252.328



3, 4.478, 236.754

Inverse Universe

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



62, 7.798, 334.245



78, 11.108, 334.350



65, 6.175, 98.385



32, 5.132, 334.286



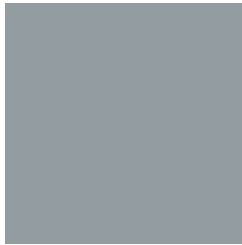
32, 61.510, 343.448



1, 7.615, 336.021

Previews

White Background



This preview shows how the CIE LCh color 64, 4.304, 230.470 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, 4.304, 230.470 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

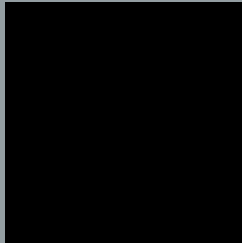
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

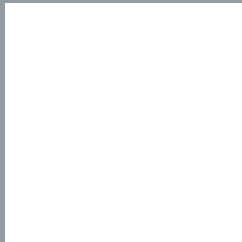
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 4.304, 230.470

Background



This preview shows how black text looks on a background with the CIELCh color 64, 4.304, 230.470.



This preview shows how white text looks on a background with the CIELCh color 64, 4.304, 230.470.

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, 4.304, 230.470

Protanopia

64, 2.906, 305.627

Deuteranopia

64, 9.359, 334.698



Tritanopia
64, 7.244, 267.046

Trichromacy



Original Color
64, 4.304, 230.470

Protanomaly
64, 2.881, 275.331

Deuteranomaly
64, 6.388, 319.050

Tritanomaly
64, 5.770, 259.934

Monochromacy



Original Color
64, 4.304, 230.470

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 1.611, 219.832

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 4.304, 230.470 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(147, 157, 161)` looks like.

```
.text, #text, p{  
    color:rgb(147, 157, 161)  
}
```

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(147, 157, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 157, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 4.304, 230.470 is called "border". The border property can be set on classes, ids or directly on the HTML element.

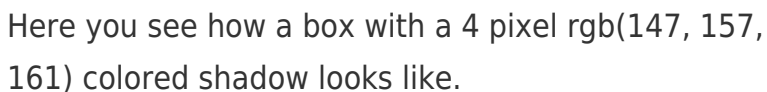
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 157, 161) }
```

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

```
.border{ border-color:rgb(147, 157, 161) }
```

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



Here you see how a box with a 4 pixel `rgb(147, 157, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 157, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 157, 161);  
box-shadow:4px 4px 4px 4px rgb(147, 157,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 4.304, 230.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 157, 161) }
```

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

```
.background{ background-color: rgb(147,  
157, 161) }
```

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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