

Converting Colors

CIELCh(64, 9.646, 290.785)

Have a look what the booklet for
CIELCh(64, 9.646, 290.785) contains.

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Color

CIELCh(64, 9.486, 291.195)

Conversions

Conversions Part 1

Format	Color
Hex	9A9AAB
RGB	154, 154, 171
RGB Percent	60%, 60%, 67%
CMY	0.3971, 0.3971, 0.3304
CMYK	0.10, 0.10, 0.00, 0.33
HSL	240°, 9%, 64%
HSV	240°, 10%, 67%
XYZ	32.1165, 32.8017, 43.0358
YIQ	155.9380, -5.4570, 5.2870

Conversions

Conversions Part 2

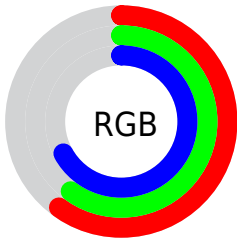
Format	Color
R_{YB}	154, 154, 171
Decimal	10132139
CIE _{Lab}	64.00, 3.43, -8.84
CIE _{LCh}	64, 9.486, 291.195
Yxy	32.8017, 0.2975, 0.3038
Android (android.graphics.Color)	4288322219 (0xFF9A9AAB)
YUV	155.9380, 7.4256, -1.6996
Hunter-Lab	57.2727, -0.1308, -4.4606

Details

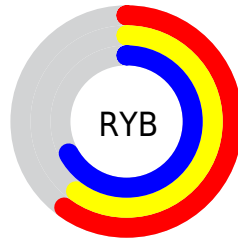
The CIELCh color $64, 9.486, 291.195$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $69, 9.271, 109.225$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 9.502, 290.998$, and $44, 9.594, 291.540$ is the 20% darker color. If you saturate the color by 10%, you get $58, 19.394, 292.384$, and if you desaturate by 10%, it is $70, 0.035, 108.529$.

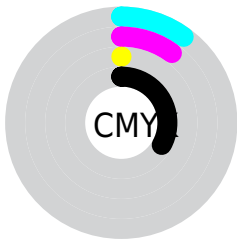
Distribution



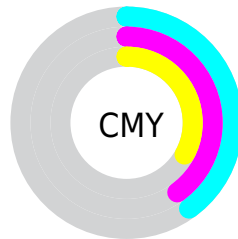
- Red (60%)
- Green (60%)
- Blue (67%)



- Red (60%)
- Yellow (60%)
- Blue (67%)



- Cyan (10%)
- Magenta (10%)
- Yellow (0%)
- Black (33%)



- Cyan (40%)
- Magenta (40%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 9.486, 291.195 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, 9.486, 291.195 by changing the saturation by 10% instead.

■ 64, 9.486, 291.195

■ 64, 9.486, 291.195

■ 100, 9.486,
291.195

■ 54, 9.486, 291.195

■ 84, 9.486, 291.195

■ 44, 9.486, 291.195

■ 94, 9.486, 291.195

■ 34, 9.486, 291.195

■ 24, 9.486, 291.195

■ 14, 9.486, 291.195

■ 4, 9.486, 291.195

■ 0, 9.486, 291.195

■ 64, 9.486, 291.195

■ 64, 9.486, 291.195

■ 58, 19.394,

■ 70, 0.035, 108.529

292.384

76, 9.194, 109.297

52, 29.725,
293.790

82, 18.018,
108.562

46, 40.497,
295.432

87, 26.533,
107.932

40, 51.699,
297.315

93, 34.758,
107.389

35, 63.218,
299.407

98, 42.174,
106.957

30, 74.697,
301.595

25, 85.310,
303.652

22, 93.638,
305.256

20, 99.043,
306.281

Harmonies

Complementary

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



64, 9.486, 291.195



69, 9.271, 109.225

Rectangle

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



64, 9.486, 291.195



64, 9.486, 341.195



64, 9.486, 111.195



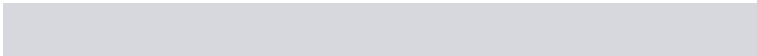
64, 9.486, 161.195

Sweetspot

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



64, 9.484, 291.190



86, 3.497, 290.485



69, 6.256, 197.518



46, 2.675, 290.559



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, 9.484, 291.190



80, 14.211, 291.443



65, 9.992, 308.921



32, 5.323, 291.116



16, 89.143, 306.285



0, 9.558, 290.172

Inverse Universe

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



65, 6.644, 19.947



81, 10.000, 20.125



69, 9.847, 128.055



33, 3.724, 19.894



30, 69.021, 39.353



1, 6.572, 19.394

Previews

White Background



This preview shows how the CIELCh color 64, 9.486, 291.195 looks on a white background.

Color Contrast Check

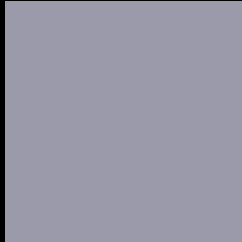
Large Text (above 18pt) WCAG AA × Fail

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, 9.486, 291.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

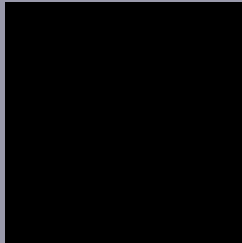
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

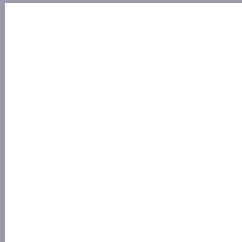
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 9.486, 291.195

Background



This preview shows how black text looks on a background with the CIELCh color 64, 9.486, 291.195.



This preview shows how white text looks on a background with the CIELCh color 64, 9.486, 291.195.

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, 9.486, 291.195

Protanopia

64, 9.487, 288.987

Deuteranopia

64, 12.079, 312.958



Tritanopia
64, 7.260, 288.043

Trichromacy



Original Color
64, 9.486, 291.195

Protanomaly
64, 9.487, 288.987

Deuteranomaly
64, 11.058, 306.799

Tritanomaly
64, 7.817, 288.317

Monochromacy



Original Color
64, 9.486, 291.195

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 3.349, 290.552

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 9.486, 291.195 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(154, 154, 171)` looks like.

```
.text, #text, p{  
    color:rgb(154, 154, 171)  
}
```

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(154, 154, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 154, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 9.486, 291.195 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(154, 154, 171) }
```

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

```
.border{ border-color:rgb(154, 154, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 154, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 154, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 154, 171);  
box-shadow:4px 4px 4px 4px rgb(154, 154,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 9.486, 291.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 154, 171) }
```

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

```
.background{ background-color: rgb(154,  
154, 171) }
```

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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