

Converting Colors

CIELCh(64, 12.569, 281.890)

Have a look what the booklet for
CIELCh(64, 12.569, 281.890)
contains.

CIELCh(64, 12.403, 281.525)	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, 12.403, 281.525)

Conversions

Conversions Part 1

Format	Color
Hex	959BB1
RGB	149, 155, 177
RGB Percent	58%, 61%, 69%
CMY	0.4174, 0.3939, 0.3076
CMYK	0.16, 0.12, 0.00, 0.31
HSL	227°, 15%, 64%
HSV	227°, 16%, 69%
XYZ	31.8540, 32.8017, 46.0122
YIQ	155.7140, -10.6380, 5.5700

Conversions

Conversions Part 2

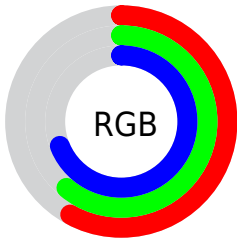
Format	Color
RYB	149, 154, 177
Decimal	9804721
CIELab	64.00, 2.48, -12.15
CIELCh	64, 12.403, 281.525
Yxy	32.8017, 0.2878, 0.2964
Android (android.graphics.Color)	4287994801 (0xFF959BB1)
YUV	155.7140, 10.4940, -5.8882
Hunter-Lab	57.2727, -0.9490, -7.5419

Details

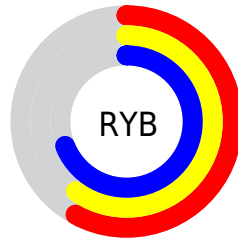
The CIELCh color **64, 12.403, 281.525** is a light color, and the websafe version is hex **999999**. A complement of this color would be **70, 12.211, 97.701**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 12.783, 282.006**, and **44, 12.131, 281.174** is the 20% darker color. If you saturate the color by 10%, you get **59, 20.509, 283.041**, and if you desaturate by 10%, it is **69, 4.521, 280.234**.

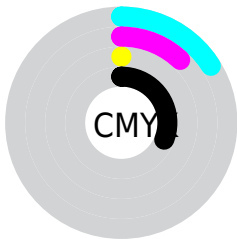
Distribution



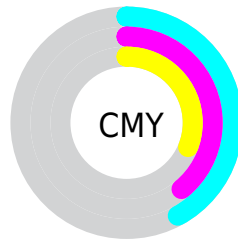
- Red (58%)
- Green (61%)
- Blue (69%)



- Red (58%)
- Yellow (60%)
- Blue (69%)



- Cyan (16%)
- Magenta (12%)
- Yellow (0%)
- Black (31%)





- Cyan (42%)
- Magenta (39%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.403, 281.525 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, 12.403, 281.525 by changing the saturation by 10% instead.


 64, 12.403,
281.525


 64, 12.403,
281.525


 100, 12.403,
281.525


 54, 12.403,
281.525


 84, 12.403,
281.525

 44, 12.403,
281.525

 94, 12.403,
281.525

 34, 12.403,
281.525

 24, 12.403,
281.525

 14, 12.403,
281.525

 4, 12.403, 281.525

 0, 12.403, 281.525

64, 12.403,
281.525

64, 12.403,
281.525

59, 20.509,
283.041

69, 4.521, 280.234

54, 28.864,
284.819

74, 3.148, 99.027

49, 37.490,
286.887

79, 10.617, 98.087

44, 46.414,
289.270

84, 17.895, 97.246

39, 55.640,
291.959

89, 24.991, 96.507

34, 65.114,
294.892

94, 31.912, 95.856

30, 74.621,
297.926

98, 37.799,
105.295

27, 83.676,

98, 39.338,
107.176

300.825

■ 25, 87.155,
301.861

Harmonies

Complementary

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



64, 12.403, 281.525



70, 12.211, 97.701

Rectangle

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



64, 12.403, 281.525



64, 12.403, 331.525



64, 12.403, 101.525



64, 12.403, 151.525

Sweetspot

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



64, 12.402, 281.521



88, 4.778, 280.147



70, 10.808, 180.600



46, 3.258, 280.225



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 12.402, 281.521



79, 18.486, 282.022



63, 15.994, 302.171



35, 4.433, 280.654



21, 77.625, 301.545



2, 11.194, 282.396

Inverse Universe

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



64, 11.460, 3.668



79, 17.142, 4.070



71, 15.512, 120.253



35, 4.065, 2.955



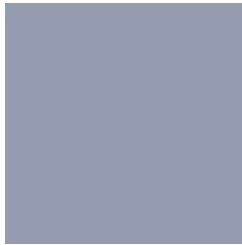
32, 62.428, 27.455



2, 9.446, 5.907

Previews

White Background



This preview shows how the CIELCh color 64, 12.403, 281.525 looks on a white background.

Color Contrast Check

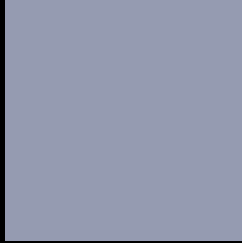
Large Text (above 18pt) WCAG AA × Fail

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, 12.403, 281.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

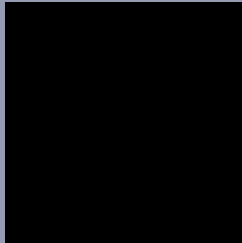
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

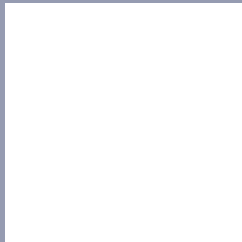
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.403, 281.525

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.403, 281.525.



This preview shows how white text looks on a background with the CIELCh color 64, 12.403, 281.525.

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

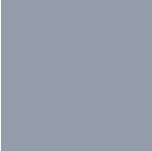
64, 12.403, 281.525

Protanopia

64, 12.301, 286.458

Deuteranopia

64, 14.867, 302.967



Tritanopia
64, 7.389, 264.457

Trichromacy



Original Color
64, 12.403, 281.525

Protanomaly
64, 12.330, 284.803

Deuteranomaly
64, 14.032, 296.088

Tritanomaly
64, 9.225, 275.148

Monochromacy



Original Color
64, 12.403, 281.525

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.514, 281.133

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.403, 281.525 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(149, 155, 177)` looks like.

```
.text, #text, p{  
    color:rgb(149, 155, 177)  
}
```

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(149, 155, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 155, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.403, 281.525 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(149, 155, 177) }
```

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

```
.border{ border-color:rgb(149, 155, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 155, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 155, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 155, 177);  
box-shadow:4px 4px 4px 4px rgb(149, 155,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.403, 281.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 155, 177) }
```

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

```
.background{ background-color: rgb(149,  
155, 177) }
```

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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