

Converting Colors

CIELCh(64, 12.497, 286.752)

Have a look what the booklet for
CIELCh(64, 12.497, 286.752)
contains.

CIELCh(64, 12.301, 286.458)	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, 12.301, 286.458)

Conversions

Conversions Part 1

Format	Color
Hex	979AB0
RGB	151, 154, 176
RGB Percent	59%, 60%, 69%
CMY	0.4080, 0.3963, 0.3100
CMYK	0.14, 0.13, 0.00, 0.31
HSL	233°, 14%, 64%
HSV	233°, 14%, 69%
XYZ	32.1319, 32.8017, 45.6856
YIQ	155.6110, -8.8500, 6.2060

Conversions

Conversions Part 2

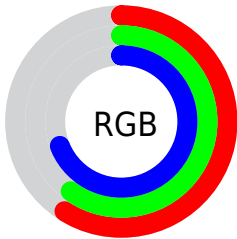
Format	Color
RYB	151, 154, 176
Decimal	9935536
CIELab	64.00, 3.49, -11.80
CIELCh	64, 12.301, 286.458
Yxy	32.8017, 0.2905, 0.2965
Android (android.graphics.Color)	4288125616 (0xFF979AB0)
YUV	155.6110, 10.0518, -4.0438
Hunter-Lab	57.2727, -0.0830, -7.2038

Details

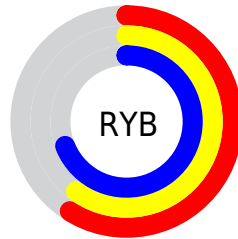
The CIELCh color $64, 12.301, 286.458$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $70, 12.016, 103.309$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 12.690, 286.599$, and $44, 12.021, 286.459$ is the 20% darker color. If you saturate the color by 10%, you get $58, 21.322, 287.841$, and if you desaturate by 10%, it is $70, 3.588, 285.287$.

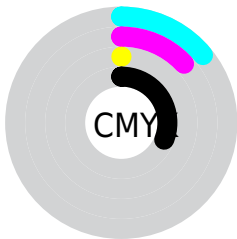
Distribution



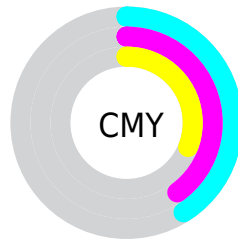
- Red (59%)
- Green (60%)
- Blue (69%)



- Red (59%)
- Yellow (60%)
- Blue (69%)



- Cyan (14%)
- Magenta (13%)
- Yellow (0%)
- Black (31%)



- Cyan (41%)
- Magenta (40%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 12.301, 286.458 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, 12.301, 286.458 by changing the saturation by 10% instead.

 64, 12.301,
286.458

 64, 12.301,
286.458


 100, 12.301,
286.458


 54, 12.301,
286.458


 84, 12.301,
286.458

 44, 12.301,
286.458

 94, 12.301,
286.458

 34, 12.301,
286.458

 24, 12.301,
286.458

 14, 12.301,
286.458

 4, 12.301, 286.458

 0, 12.301, 286.458

64, 12.301,
286.458

64, 12.301,
286.458

58, 21.322,
287.841

70, 3.588, 285.287

53, 30.681,
289.465

75, 4.838, 104.218

47, 40.405,
291.357

80, 12.996,
103.355

42, 50.504,
293.529

86, 20.903,
102.600

37, 60.939,
295.962

91, 28.575,
101.943

32, 71.527,
298.568

96, 35.964,
102.311

28, 81.792,
301.163

98, 39.632,
107.154

24, 90.813,

303.473

■ 23, 95.042,
304.502

Harmonies

Complementary

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



64, 12.301, 286.458



70, 12.016, 103.309

Rectangle

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



64, 12.301, 286.458



64, 12.301, 336.458



64, 12.301, 106.458



64, 12.301, 156.458

Sweetspot

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



64, 12.300, 286.454



88, 4.232, 285.273



70, 9.330, 187.355



46, 3.007, 285.350



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, 12.300, 286.454



80, 18.362, 286.859



64, 14.416, 305.045



34, 4.804, 285.852



19, 83.992, 304.264



1, 10.254, 285.904

Inverse Universe

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



65, 9.951, 10.741



81, 14.919, 11.070



70, 14.066, 123.560



34, 3.859, 10.241



31, 65.487, 33.944



2, 7.895, 11.313

Previews

White Background



This preview shows how the CIELCh color 64, 12.301, 286.458 looks on a white background.

Color Contrast Check

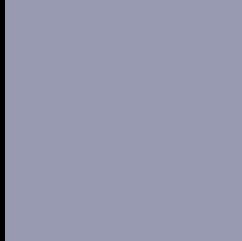
Large Text (above 18pt) WCAG AA × Fail

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, 12.301, 286.458 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

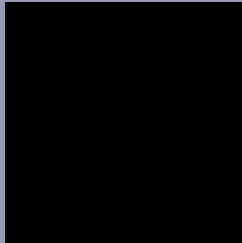
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 12.301, 286.458

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.301, 286.458.



This preview shows how white text looks on a background with the CIELCh color 64, 12.301, 286.458.

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, 12.301, 286.458

Protanopia

64, 12.301, 286.458

Deuteranopia

64, 14.944, 304.344



Tritanopia
64, 7.535, 273.986

Trichromacy



Original Color
64, 12.301, 286.458

Protanomaly
64, 12.301, 286.458

Deuteranomaly
64, 14.114, 299.021

Tritanomaly
64, 9.070, 279.554

Monochromacy



Original Color
64, 12.301, 286.458

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 4.473, 285.866

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.301, 286.458 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(151, 154, 176)` looks like.

```
.text, #text, p{  
    color:rgb(151, 154, 176)  
}
```

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(151, 154, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 154, 176) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.301, 286.458 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(151, 154, 176) }
```

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

```
.border{ border-color:rgb(151, 154, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 154, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 154, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 154, 176);  
box-shadow:4px 4px 4px 4px rgb(151, 154,  
176) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.301, 286.458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 154, 176) }
```

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

```
.background{ background-color: rgb(151,  
154, 176) }
```

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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