

Converting Colors

CIELCh(64, 17.887, 305.224)

Have a look what the booklet for
CIELCh(64, 17.887, 305.224)
contains.

CIELCh(64, 17.838, 304.804)	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, 17.838, 304.804)

Conversions

Conversions Part 1

Format	Color
Hex	A196B5
RGB	161, 150, 181
RGB Percent	63%, 59%, 71%
CMY	0.3680, 0.4111, 0.2895
CMYK	0.11, 0.17, 0.00, 0.29
HSL	261°, 17%, 65%
HSV	261°, 17%, 71%
XYZ	34.0210, 32.8017, 48.3443
YIQ	156.8230, -3.3950, 11.9730

Conversions

Conversions Part 2

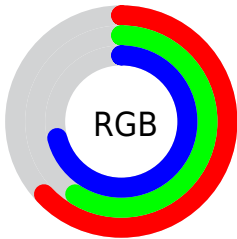
Format	Color
RYB	161, 150, 181
Decimal	10589877
CIELab	64.00, 10.18, -14.65
CIELCh	64, 17.838, 304.804
Yxy	32.8017, 0.2954, 0.2848
Android (android.graphics.Color)	4288779957 (0xFFFA196B5)
YUV	156.8230, 11.9193, 3.6632
Hunter-Lab	57.2727, 5.8046, -9.9562

Details

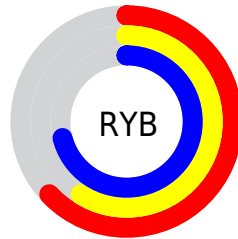
The CIELCh color $64, 17.838, 304.804$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $72, 17.306, 122.952$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 17.990, 304.936$, and $44, 17.900, 304.768$ is the 20% darker color. If you saturate the color by 10%, you get $58, 28.721, 305.459$, and if you desaturate by 10%, it is $70, 7.294, 304.211$.

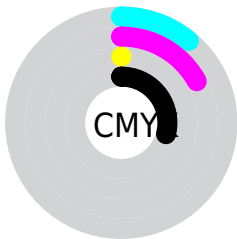
Distribution



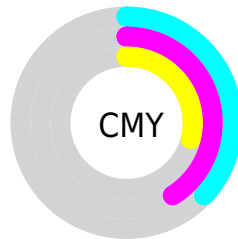
- Red (63%)
- Green (59%)
- Blue (71%)



- Red (63%)
- Yellow (59%)
- Blue (71%)



- Cyan (11%)
- Magenta (17%)
- Yellow (0%)
- Black (29%)




- Cyan (37%)
- Magenta (41%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 17.838, 304.804 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, 17.838, 304.804 by changing the saturation by 10% instead.

 64, 17.838,
304.804

 64, 17.838,
304.804


 100, 17.838,
304.804


 54, 17.838,
304.804


 84, 17.838,
304.804

 44, 17.838,
304.804

 94, 17.838,
304.804

 34, 17.838,
304.804

 24, 17.838,
304.804

 14, 17.838,
304.804

 4, 17.838, 304.804

 0, 17.838, 304.804

64, 17.838,
304.804

64, 17.838,
304.804

58, 28.721,
305.459

70, 7.294, 304.211

53, 39.912,
306.179

75, 2.898, 123.724

47, 51.317,
306.946

81, 12.747,
123.253

42, 62.747,
307.726

87, 22.265,
122.856

37, 73.842,
308.454

92, 31.471,
122.513

32, 83.994,
309.029

97, 38.255,
120.945


29, 92.317,
309.305


98, 37.392,
114.413

26, 97.996,

98, 37.072,
107.544

309.163

 98, 37.072,
107.351

 25, 99.454,
309.124

Harmonies

Complementary

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



64, 17.838, 304.804



72, 17.306, 122.952

Rectangle

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



64, 17.838, 304.804



64, 17.838, 354.804



64, 17.838, 124.804



64, 17.838, 174.804

Sweetspot

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



64, 17.836, 304.803



89, 6.307, 304.097



69, 9.200, 239.563



47, 4.304, 304.136



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 17.836, 304.803



78, 27.193, 305.073



65, 19.839, 321.057



36, 5.894, 304.338



21, 88.738, 309.244



1, 15.667, 300.450

Inverse Universe

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



65, 16.184, 337.823



80, 24.558, 338.162



71, 19.718, 139.424



36, 5.385, 337.219



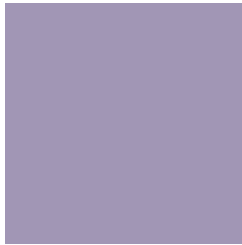
34, 61.933, 348.748



3, 13.455, 342.417

Previews

White Background



This preview shows how the CIELCh color 64, 17.838, 304.804 looks on a white background.

Color Contrast Check

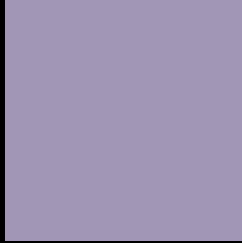
Large Text (above 18pt) WCAG AA × Fail

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, 17.838, 304.804 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

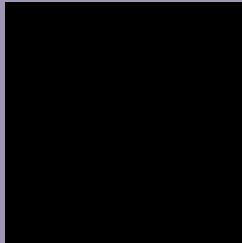
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 17.838, 304.804

Background



This preview shows how black text looks on a background with the CIELCh color 64, 17.838, 304.804.



This preview shows how white text looks on a background with the CIELCh color 64, 17.838, 304.804.

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, 17.838, 304.804

Protanopia

64, 16.784, 285.963

Deuteranopia

64, 16.997, 300.428



Tritanopia
64, 7.098, 309.370

Trichromacy



Original Color
64, 17.838, 304.804

Protanomaly
64, 16.745, 291.952

Deuteranomaly
64, 17.057, 301.627

Tritanomaly
64, 11.058, 306.799

Monochromacy



Original Color
64, 17.838, 304.804

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 6.332, 304.502

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 17.838, 304.804 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(161, 150, 181)` looks like.

```
.text, #text, p{  
    color:rgb(161, 150, 181)  
}
```

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(161, 150, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 150, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 17.838, 304.804 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(161, 150, 181) }
```

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

```
.border{ border-color:rgb(161, 150, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 150, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 150, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 150, 181);  
box-shadow:4px 4px 4px 4px rgb(161, 150,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 17.838, 304.804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 150, 181) }
```

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

```
.background{ background-color: rgb(161,  
150, 181) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor