

Converting Colors

CIELCh(62, 30.388, 310.895)

Have a look what the booklet for
CIELCh(62, 30.388, 310.895)
contains.

CIELCh(62, 30.844, 311.010)	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(62, 30.844, 311.010)

Conversions

Conversions Part 1

Format	Color
Hex	A68BBF
RGB	166, 139, 191
RGB Percent	65%, 55%, 75%
CMY	0.3484, 0.4543, 0.2503
CMYK	0.13, 0.27, 0.00, 0.25
HSL	271°, 29%, 65%
HSV	271°, 27%, 75%
XYZ	34.4359, 30.4025, 53.4368
YIQ	153.0010, -0.6000, 21.8960

Conversions

Conversions Part 2

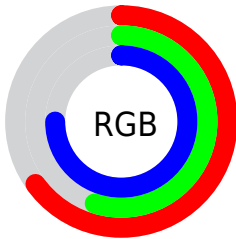
Format	Color
R_{YB}	166, 139, 191
Decimal	10914751
CIE _{Lab}	62.00, 20.24, -23.27
CIE _{LCh}	62, 30.844, 311.010
Yxy	30.4025, 0.2912, 0.2570
Android (android.graphics.Color)	4289104831 (0xFFA68BBF)
YUV	153.0010, 18.7335, 11.4001
Hunter-Lab	55.1385, 14.9870, -18.8632

Details

The CIELCh color $62, 30.844, 311.010$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $74, 29.758, 128.502$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 30.436, 311.351$, and $42, 30.405, 310.739$ is the 20% darker color. If you saturate the color by 10%, you get $56, 42.612, 311.529$, and if you desaturate by 10%, it is $68, 19.263, 310.509$.

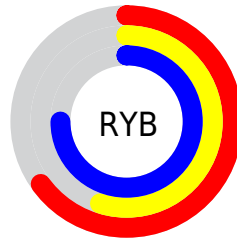
Distribution



Red (65%)

Green (55%)

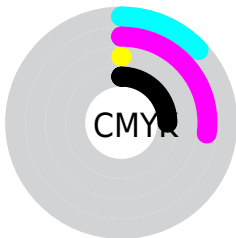
Blue (75%)



Red (65%)

Yellow (55%)

Blue (75%)

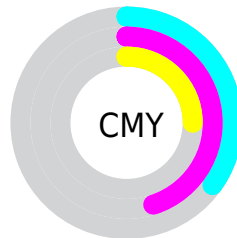


Cyan (13%)

Magenta (27%)

Yellow (0%)

Black (25%)



Cyan (35%)


Magenta (45%)


Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 30.844, 311.010 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 62, 30.844, 311.010 by changing the saturation by 10% instead.


 62, 30.844,
311.010


 62, 30.844,
311.010


 100, 30.844,
311.010


 52, 30.844,
311.010


 82, 30.844,
311.010

 42, 30.844,
311.010

 92, 30.844,
311.010

 32, 30.844,
311.010

 22, 30.844,
311.010

 12, 30.844,
311.010

 2, 30.844, 311.010

 0, 30.844, 311.010

62, 30.844,
311.010

62, 30.844,
311.010

56, 42.612,
311.529

68, 19.263,
310.509

51, 54.415,
312.045

73, 7.959, 310.035

46, 65.980,
312.517

79, 3.029, 129.664

41, 76.876,
312.886

85, 13.688,
129.250

37, 86.472,
313.066

90, 24.017,
128.905

34, 94.001,
312.952

96, 34.026,
128.602


31, 98.897,
312.464

97, 33.545,
123.615

30, 100.081,

98, 32.711,
117.910

312.318

 98, 32.234,
111.874

Harmonies

Complementary

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



62, 30.844, 311.010



74, 29.758, 128.502

Rectangle

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



62, 30.844, 311.010



62, 30.844, 1.010



62, 30.844, 131.010



62, 30.844, 181.010

Sweetspot

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



62, 30.842, 311.010



92, 10.908, 310.078



66, 16.864, 261.369



48, 7.831, 310.149



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



62, 30.842, 311.010



74, 46.435, 311.337



64, 34.032, 326.365



37, 6.212, 310.134



25, 86.830, 312.479



2, 18.136, 305.654

Inverse Universe

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



64, 24.272, 347.221



77, 36.382, 347.941



73, 34.024, 143.039



37, 4.917, 345.442



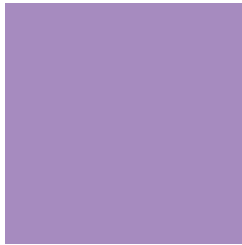
34, 59.181, 3.254



3, 13.803, 352.736

Previews

White Background



This preview shows how the CIELCh color 62, 30.844, 311.010 looks on a white background.

Color Contrast Check

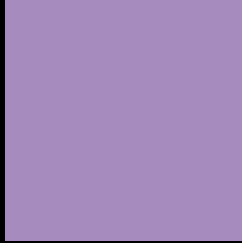
Large Text (above 18pt) WCAG AA × Fail

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 62, 30.844, 311.010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

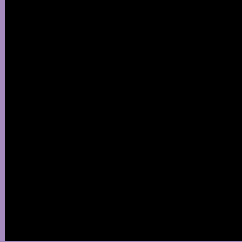
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 30.844, 311.010

Background



This preview shows how black text looks on a background with the CIELCh color 62, 30.844, 311.010.



This preview shows how white text looks on a background with the CIELCh color 62, 30.844, 311.010.

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

62, 30.844, 311.010

Protanopia

62, 28.204, 285.220

Deuteranopia

62, 24.148, 290.363



Tritanopia
62, 8.473, 333.542

Trichromacy



Original Color
62, 30.844, 311.010

Protanomaly
62, 28.690, 294.579

Deuteranomaly
62, 26.081, 298.997

Tritanomaly
62, 15.790, 318.219

Monochromacy



Original Color
62, 30.844, 311.010

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 11.336, 310.465

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 30.844, 311.010 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(166, 139, 191)` looks like.

```
.text, #text, p{  
    color:rgb(166, 139, 191)  
}
```

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(166, 139, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 139, 191) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 30.844, 311.010 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(166, 139, 191) }
```

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

```
.border{ border-color:rgb(166, 139, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 139, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 139, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 139, 191);  
box-shadow:4px 4px 4px 4px rgb(166, 139,  
191) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 30.844, 311.010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 139, 191) }
```

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

```
.background{ background-color: rgb(166,  
139, 191) }
```

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