

Converting Colors

CIELCh(62, 33.259, 302.069)

Have a look what the booklet for
CIELCh(62, 33.259, 302.069)
contains.

CIELCh(62, 33.671, 302.250)	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, 33.671, 302.250)

Conversions

Conversions Part 1

Format	Color
Hex	9C8DC8
RGB	156, 141, 200
RGB Percent	61%, 55%, 78%
CMY	0.3872, 0.4460, 0.2146
CMYK	0.22, 0.29, 0.00, 0.21
HSL	255°, 35%, 67%
HSV	255°, 29%, 79%
XYZ	33.7815, 30.4025, 58.8989
YIQ	152.2110, -9.9990, 21.5290

Conversions

Conversions Part 2

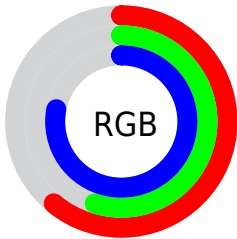
Format	Color
R _Y B	156, 141, 200
Decimal	10259912
CIE Lab	62.00, 17.97, -28.48
CIE LCh	62, 33.671, 302.250
Yxy	30.4025, 0.2745, 0.2470
Android (android.graphics.Color)	4288449992 (0xFF9C8DC8)
YUV	152.2110, 23.5600, 3.3230
Hunter-Lab	55.1385, 12.8687, -24.7366

Details

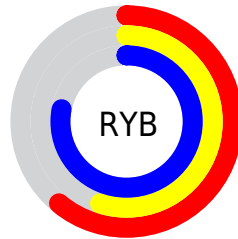
The CIELCh color $62, 33.671, 302.250$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $78, 31.643, 118.240$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 32.418, 302.198$, and $42, 33.657, 302.347$ is the 20% darker color. If you saturate the color by 10%, you get $56, 45.886, 303.185$, and if you desaturate by 10%, it is $68, 21.843, 301.414$.

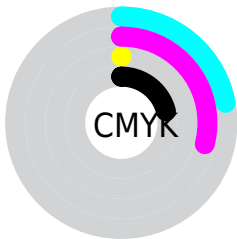
Distribution



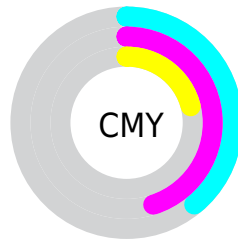
- Red (61%)
- Green (55%)
- Blue (78%)



- Red (61%)
- Yellow (55%)
- Blue (78%)



- Cyan (22%)
- Magenta (29%)
- Yellow (0%)
- Black (21%)





- Cyan (39%)
- Magenta (45%)
- Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 33.671, 302.250 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, 33.671, 302.250 by changing the saturation by 10% instead.


 62, 33.671,
302.250


 62, 33.671,
302.250


 100, 33.671,
302.250


 52, 33.671,
302.250


 82, 33.671,
302.250

 42, 33.671,
302.250

 92, 33.671,
302.250

 32, 33.671,
302.250

 22, 33.671,
302.250

 12, 33.671,
302.250

 2, 33.671, 302.250

 0, 33.671, 302.250

62, 33.671,
302.250

62, 33.671,
302.250

56, 45.886,
303.185

68, 21.843,
301.414

49, 58.405,
304.205

75, 10.432,
300.678

44, 71.015,
305.273

81, 0.566, 120.098

38, 83.277,
306.306

87, 11.169,
119.490

33, 94.391,
307.170

94, 21.397,
119.011

29, 103.164,
307.670

98, 27.842,
115.139

27, 108.843,
307.731

99, 27.597,
108.082

26, 109.123,

Harmonies

Complementary

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



62, 33.671, 302.250



78, 31.643, 118.240

Rectangle

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



62, 33.671, 302.250



62, 33.671, 352.250



62, 33.671, 122.250



62, 33.671, 172.250

Sweetspot

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



62, 33.669, 302.250



93, 12.059, 300.655



73, 16.559, 227.560



49, 8.401, 300.757



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



62, 33.669, 302.250



73, 49.175, 302.802



65, 36.372, 318.562



39, 6.213, 300.672



21, 93.583, 307.858



2, 21.738, 298.413

Inverse Universe

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



66, 32.508, 334.505



79, 46.851, 334.957



76, 35.741, 135.833



39, 6.181, 333.079



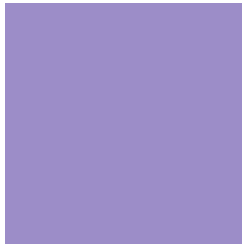
36, 68.261, 341.491



4, 21.395, 337.888

Previews

White Background



This preview shows how the CIELCh color 62, 33.671, 302.250 looks on a white background.

Color Contrast Check

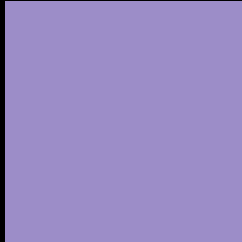
Large Text (above 18pt) WCAG AA × Fail

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, 33.671, 302.250 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

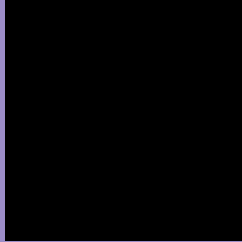
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 33.671, 302.250

Background



This preview shows how black text looks on a background with the CIELCh color 62, 33.671, 302.250.



This preview shows how white text looks on a background with the CIELCh color 62, 33.671, 302.250.

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, 33.671, 302.250

Protanopia

62, 32.155, 285.101

Deuteranopia

62, 28.722, 286.081



Tritanopia
62, 6.739, 290.924

Trichromacy



Original Color
62, 33.671, 302.250

Protanomaly
62, 31.998, 290.692

Deuteranomaly
62, 29.753, 292.085

Tritanomaly
62, 16.492, 299.470

Monochromacy



Original Color
62, 33.671, 302.250

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 12.580, 301.583

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 33.671, 302.250 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(156, 141, 200)` looks like.

```
.text, #text, p{  
    color:rgb(156, 141, 200)  
}
```

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(156, 141, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 141, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 33.671, 302.250 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(156, 141, 200) }
```

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

```
.border{ border-color:rgb(156, 141, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 141, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 141, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 141, 200);  
box-shadow:4px 4px 4px 4px rgb(156, 141,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 33.671, 302.250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 141, 200) }
```

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

```
.background{ background-color: rgb(156,  
141, 200) }
```

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