

Converting Colors

CIELCh(62, 45.626, 303.525)

Have a look what the booklet for
CIELCh(62, 45.626, 303.525)
contains.

CIELCh(62, 45.628, 303.615)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(62, 45.628, 303.615)

Conversions

Conversions Part 1

Format	Color
Hex	9F89D9
RGB	159, 137, 217
RGB Percent	62%, 54%, 85%
CMY	0.3753, 0.4616, 0.1478
CMYK	0.27, 0.37, 0.00, 0.15
HSL	257°, 51%, 70%
HSV	257°, 37%, 85%
XYZ	35.9116, 30.4025, 69.8379
YIQ	152.6980, -12.5680, 29.5440

Conversions

Conversions Part 2

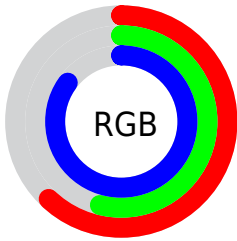
Format	Color
RYB	159, 137, 217
Decimal	10455513
CIELab	62.00, 25.26, -38.00
CIELCh	62, 45.628, 303.615
Yxy	30.4025, 0.2638, 0.2233
Android (android.graphics.Color)	4288645593 (0xFF9F89D9)
YUV	152.6980, 31.7009, 5.5269
Hunter-Lab	55.1385, 19.7642, -36.4993

Details

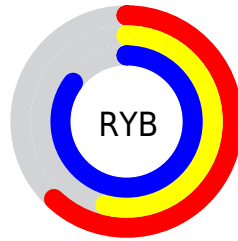
The CIELCh color $62, 45.628, 303.615$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $84, 42.163, 118.643$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 35.104, 306.049$, and $42, 45.705, 303.374$ is the 20% darker color. If you saturate the color by 10%, you get $55, 58.922, 304.570$, and if you desaturate by 10%, it is $69, 32.667, 302.742$.

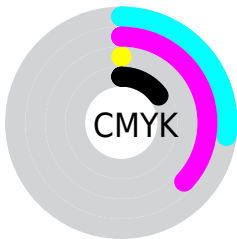
Distribution



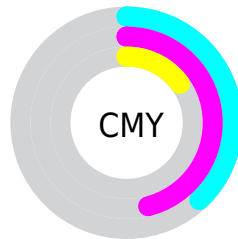
- Red (62%)
- Green (54%)
- Blue (85%)



- Red (62%)
- Yellow (54%)
- Blue (85%)



- Cyan (27%)
- Magenta (37%)
- Yellow (0%)
- Black (15%)





- Cyan (38%)
- Magenta (46%)
- Yellow (15%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 45.628, 303.615 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, 45.628, 303.615 by changing the saturation by 10% instead.


 62, 45.628,
303.615


 62, 45.628,
303.615


 100, 45.628,
303.615


 52, 45.628,
303.615


 82, 45.628,
303.615

 42, 45.628,
303.615

 92, 45.628,
303.615

 32, 45.628,
303.615

 22, 45.628,
303.615

 12, 45.628,
303.615

 2, 45.628, 303.615

 0, 45.628, 303.615

62, 45.628,
303.615

62, 45.628,
303.615

55, 58.922,
304.570

69, 32.667,
302.742

49, 72.358,
305.574

75, 20.124,
301.962

43, 85.525,
306.557

82, 8.020, 301.274

38, 97.667,
307.399

89, 3.650, 120.693

96, 14.904,
120.168

33, 107.608,
307.922

99, 19.059,
110.034

30, 114.087,
307.949

99, 19.050,
108.736

29, 115.708,
307.927

Harmonies

Complementary

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



62, 45.628, 303.615



84, 42.163, 118.643

Rectangle

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



62, 45.628, 303.615



62, 45.628, 353.615



62, 45.628, 123.615



62, 45.628, 173.615

Sweetspot

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



62, 45.627, 303.615



92, 14.828, 301.558



76, 21.499, 230.807



48, 9.987, 301.652



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, 45.627, 303.615



66, 62.817, 304.332



66, 48.799, 319.399



42, 6.751, 301.446



22, 97.601, 308.057



3, 30.108, 301.709

Inverse Universe

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



67, 42.642, 335.943



74, 57.512, 336.568



81, 47.846, 135.860



43, 6.601, 333.896



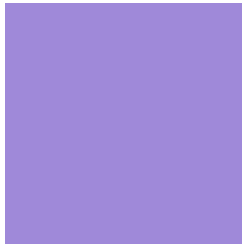
39, 70.325, 342.999



6, 28.497, 339.867

Previews

White Background



This preview shows how the CIELCh color 62, 45.628, 303.615 looks on a white background.

Color Contrast Check

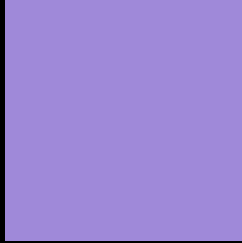
Large Text (above 18pt) WCAG AA × Fail

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, 45.628, 303.615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

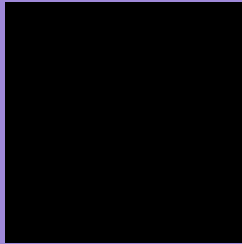
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 45.628, 303.615

Background



This preview shows how black text looks on a background with the CIELCh color 62, 45.628, 303.615.

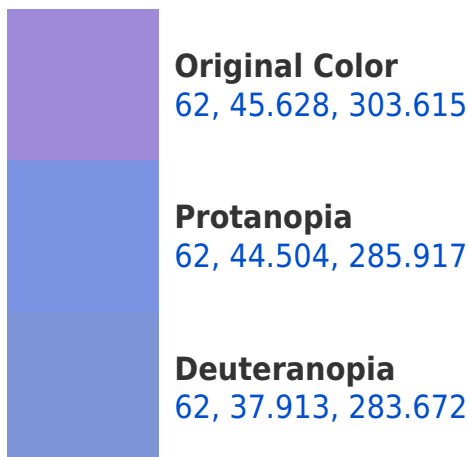



This preview shows how white text looks on a background with the CIELCh color 62, 45.628, 303.615.

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





Tritanopia
62, 6.739, 290.924

Trichromacy



Original Color
62, 45.628, 303.615

Protanomaly
62, 44.894, 292.226

Deuteranomaly
62, 40.424, 291.408

Tritanomaly
62, 20.501, 300.298

Monochromacy



Original Color
62, 45.628, 303.615

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 16.587, 301.947

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 45.628, 303.615 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(159, 137, 217)` looks like.

```
.text, #text, p{  
    color:rgb(159, 137, 217)  
}
```

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(159, 137, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 137, 217) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 45.628, 303.615 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(159, 137, 217) }
```

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

```
.border{ border-color:rgb(159, 137, 217) }
```

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

Here you see how a box with a 4 pixel rgb(159, 137, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 137, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 137, 217);  
box-shadow:4px 4px 4px 4px rgb(159, 137,  
217) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 45.628, 303.615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 137, 217) }
```

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

```
.background{ background-color: rgb(159,  
137, 217) }
```

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