

Converting Colors

CIELCh(62, 49.691, 304.683)

Have a look what the booklet for
CIELCh(62, 49.691, 304.683)
contains.

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Color

CIELCh(62, 49.722, 304.957)

Conversions

Conversions Part 1

Format	Color
Hex	A287DE
RGB	162, 135, 222
RGB Percent	64%, 53%, 87%
CMY	0.3636, 0.4695, 0.1283
CMYK	0.27, 0.39, 0.00, 0.13
HSL	259°, 57%, 70%
HSV	259°, 39%, 87%
XYZ	36.8825, 30.4025, 73.2361
YIQ	152.9910, -11.8350, 32.7810

Conversions

Conversions Part 2

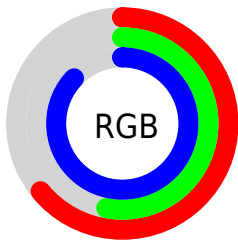
Format	Color
RYB	162, 135, 222
Decimal	10651614
CIELab	62.00, 28.49, -40.75
CIELCh	62, 49.722, 304.957
Yxy	30.4025, 0.2625, 0.2164
Android (android.graphics.Color)	4288841694 (0xFFA287DE)
YUV	152.9910, 34.0214, 7.9009
Hunter-Lab	55.1385, 22.9074, -40.1533

Details

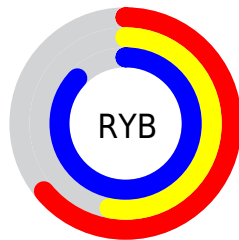
The CIELCh color $62, 49.722, 304.957$ is a light color, and the websafe version is hex $9999FF$. A complement of this color would be $85, 45.846, 119.963$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 36.570, 308.286$, and $42, 49.406, 304.937$ is the 20% darker color. If you saturate the color by 10%, you get $55, 63.279, 305.842$, and if you desaturate by 10%, it is $69, 36.430, 304.133$.

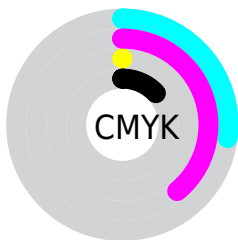
Distribution



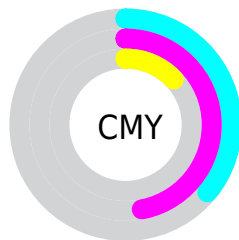
- Red (64%)
- Green (53%)
- Blue (87%)



- Red (64%)
- Yellow (53%)
- Blue (87%)



- Cyan (27%)
- Magenta (39%)
- Yellow (0%)
- Black (13%)



- Cyan (36%)
- Magenta (47%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 62, 49.722, 304.957 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, 49.722, 304.957 by changing the saturation by 10% instead.

62, 49.722,
304.957

62, 49.722,
304.957

100, 49.722,
304.957

52, 49.722,
304.957

82, 49.722,
304.957

42, 49.722,
304.957

92, 49.722,
304.957

32, 49.722,
304.957

22, 49.722,
304.957

12, 49.722,
304.957

2, 49.722, 304.957

0, 49.722, 304.957

62, 49.722,
304.957

62, 49.722,
304.957

55, 63.279,
305.842

69, 36.430,
304.133

49, 76.849,
306.745

76, 23.524,
303.387

43, 89.931,
307.588

82, 11.046,
302.723

38, 101.667,
308.243

89, 0.999, 122.204

34, 110.837,
308.534

96, 12.620,
121.646

31, 116.590,
308.367

99, 16.549,
109.873

31, 117.022,
308.354

99, 16.544,
108.927

Harmonies

Complementary

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



62, 49.722, 304.957



85, 45.846, 119.963

Rectangle

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



62, 49.722, 304.957



62, 49.722, 354.957



62, 49.722, 124.957



62, 49.722, 174.957

Sweetspot

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



62, 49.721, 304.957



91, 16.277, 302.910



76, 23.155, 235.958



47, 10.821, 302.996



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, 49.721, 304.957



64, 67.493, 305.680



66, 53.159, 320.528



43, 6.912, 302.742



23, 98.089, 308.497



3, 32.361, 303.609

Inverse Universe

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



67, 45.000, 337.692



72, 59.720, 338.442



82, 52.270, 136.626



44, 6.559, 335.331



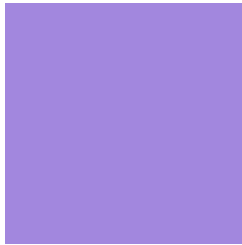
39, 69.472, 345.581



7, 29.188, 342.012

Previews

White Background



This preview shows how the CIELCh color 62, 49.722, 304.957 looks on a white background.

Color Contrast Check

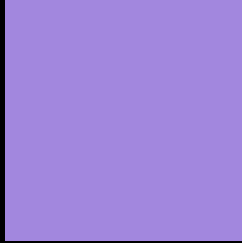
Large Text (above 18pt) WCAG AA × Fail

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, 49.722, 304.957 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

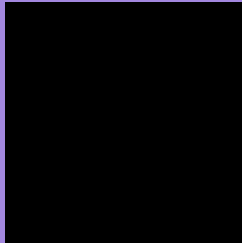
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 49.722, 304.957

Background



This preview shows how black text looks on a background with the CIELCh color 62, 49.722, 304.957.

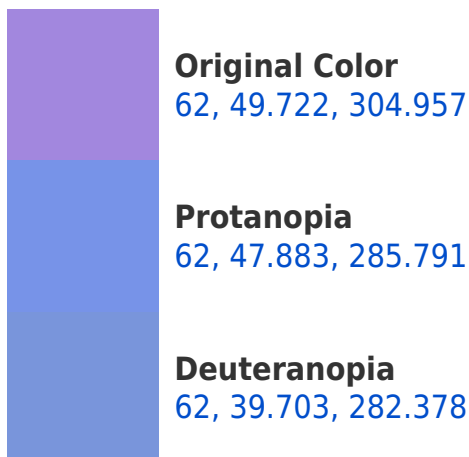



This preview shows how white text looks on a background with the CIELCh color 62, 49.722, 304.957.

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, 6.799, 297.254

Trichromacy



Original Color
62, 49.722, 304.957

Protanomaly
62, 47.660, 292.337

Deuteranomaly
62, 42.646, 291.421

Tritanomaly
62, 22.932, 302.320

Monochromacy



Original Color
62, 49.722, 304.957

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 17.753, 302.532

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 49.722, 304.957 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(162, 135, 222)` looks like.

```
.text, #text, p{  
    color:rgb(162, 135, 222)  
}
```

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(162, 135, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 135, 222) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 49.722, 304.957 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(162, 135, 222) }
```

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

```
.border{ border-color:rgb(162, 135, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 135, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 135, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 135, 222);  
box-shadow:4px 4px 4px 4px rgb(162, 135,  
222) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 49.722, 304.957 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 135, 222) }
```

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

```
.background{ background-color: rgb(162,  
135, 222) }
```

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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