

Converting Colors

CIELCh(62, 64.669, 310.367)

Have a look what the booklet for
CIELCh(62, 64.669, 310.367)
contains.

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Color

CIELCh(62, 64.518, 310.362)

Conversions

Conversions Part 1

Format	Color
Hex	B27EEE
RGB	178, 126, 238
RGB Percent	70%, 49%, 93%
CMY	0.3034, 0.5072, 0.0682
CMYK	0.25, 0.47, 0.00, 0.07
HSL	268°, 76%, 71%
HSV	268°, 47%, 93%
XYZ	41.0647, 30.4025, 84.2939
YIQ	154.3160, -4.9600, 45.8560

Conversions

Conversions Part 2

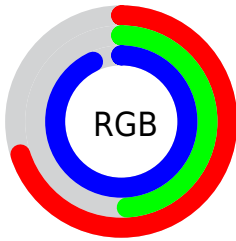
Format	Color
RYB	178, 126, 238
Decimal	11697902
CIELab	62.00, 41.78, -49.16
CIELCh	62, 64.518, 310.362
Yxy	30.4025, 0.2636, 0.1952
Android (android.graphics.Color)	4289887982 (0xFFB27EEE)
YUV	154.3160, 41.2562, 20.7709
Hunter-Lab	55.1385, 36.4464, -52.0436

Details

The CIELCh color $62, 64.518, 310.362$ is a light color, and the websafe version is hex $9966CC$. A complement of this color would be $88, 59.779, 125.567$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $81, 44.142, 318.473$, and $42, 64.431, 310.343$ is the 20% darker color. If you saturate the color by 10%, you get $56, 78.442, 310.923$, and if you desaturate by 10%, it is $69, 50.390, 309.769$.

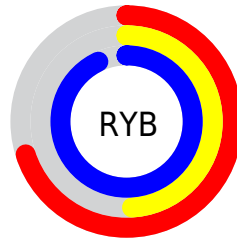
Distribution



Red (70%)

Green (49%)

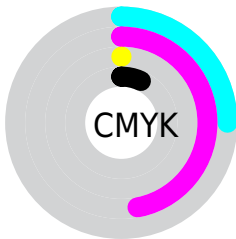
Blue (93%)



Red (70%)

Yellow (49%)

Blue (93%)

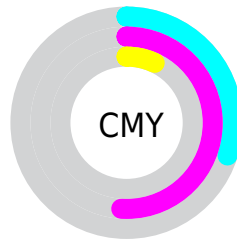


Cyan (25%)

Magenta (47%)

Yellow (0%)

Black (7%)



Cyan (30%)


Magenta (51%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 64.518, 310.362 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, 64.518, 310.362 by changing the saturation by 10% instead.


 62, 64.518,
310.362


 62, 64.518,
310.362


 100, 64.518,
310.362


 52, 64.518,
310.362


 82, 64.518,
310.362

 42, 64.518,
310.362

 92, 64.518,
310.362

 32, 64.518,
310.362

 22, 64.518,
310.362

 12, 64.518,
310.362

 2, 64.518, 310.362

 0, 64.518, 310.362

62, 64.518,
310.362

62, 64.518,
310.362

56, 78.442,
310.923

69, 50.390,
309.769

50, 91.640,
311.386

75, 36.375,
309.186

45, 103.310,
311.652

82, 22.643,
308.635

41, 112.431,
311.596

89, 9.279, 308.123

96, 3.681, 127.715

38, 118.140,
311.108

100, 8.813,
111.809

37, 119.417,
310.936

100, 8.802,
109.510

Harmonies

Complementary

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



62, 64.518, 310.362



88, 59.779, 125.567

Rectangle

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



62, 64.518, 310.362



62, 64.518, 0.362



62, 64.518, 130.362



62, 64.518, 180.362

Sweetspot

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



62, 64.517, 310.362



90, 19.521, 308.474



74, 31.856, 258.318



46, 13.520, 308.588



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, 64.517, 310.362



60, 82.892, 310.928



68, 68.920, 325.426



46, 7.485, 308.241



28, 98.245, 311.119



5, 39.489, 310.930

Inverse Universe

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



67, 51.463, 346.509



66, 64.576, 347.997



86, 68.899, 139.601



47, 6.215, 342.498



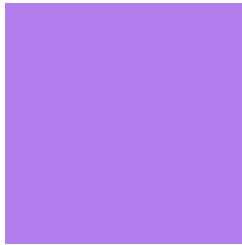
40, 66.732, 358.620



8, 29.814, 352.856

Previews

White Background



This preview shows how the CIELCh color 62, 64.518, 310.362 looks on a white background.

Color Contrast Check

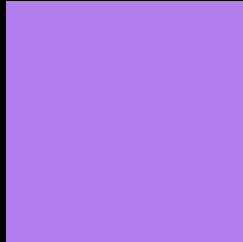
Large Text (above 18pt) WCAG AA × Fail

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, 64.518, 310.362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

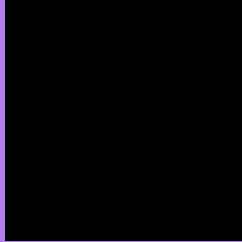
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 64.518, 310.362

Background



This preview shows how black text looks on a background with the CIELCh color 62, 64.518, 310.362.

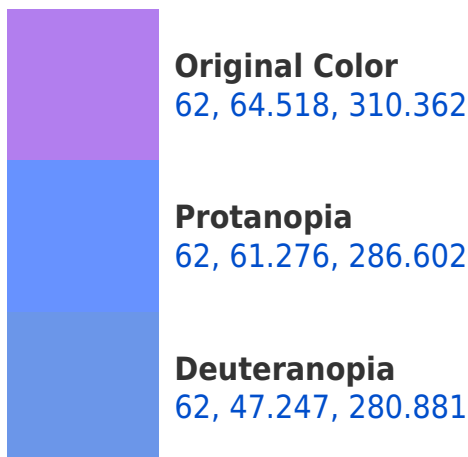


This preview shows how white text looks on a background with the CIELCh color 62, 64.518, 310.362.

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, 9.313, 338.898

Trichromacy



Original Color
62, 64.518, 310.362



Protanomaly
62, 61.607, 294.249



Deuteranomaly
62, 52.722, 293.192



Tritanomaly
62, 29.137, 314.416

Monochromacy



Original Color
62, 64.518, 310.362



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 23.547, 309.234

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 64.518, 310.362 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(178, 126, 238)` looks like.

```
.text, #text, p{  
    color:rgb(178, 126, 238)  
}
```

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(178, 126, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 126, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 64.518, 310.362 is called "border". The border property can be set on classes, ids or directly on the HTML element.

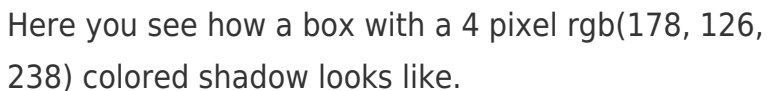
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 126, 238) }
```

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

```
.border{ border-color:rgb(178, 126, 238) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 126, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(178, 126, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(178, 126, 238); box-shadow:4px 4px 4px 4px rgb(178, 126, 238) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 64.518, 310.362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 126, 238) }
```

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

```
.background{ background-color: rgb(178,  
126, 238) }
```

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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