

Converting Colors

CIELCh(62, 62.367, 311.432)

Have a look what the booklet for
CIELCh(62, 62.367, 311.432)
contains.

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Color

CIELCh(62, 62.065, 311.553)

Conversions

Conversions Part 1

Format	Color
Hex	B47EE9
RGB	180, 126, 233
RGB Percent	71%, 49%, 91%
CMY	0.2951, 0.5068, 0.0873
CMYK	0.23, 0.46, 0.00, 0.09
HSL	270°, 71%, 70%
HSV	270°, 46%, 91%
XYZ	40.8648, 30.4025, 80.6106
YIQ	154.3440, -2.1630, 44.7250

Conversions

Conversions Part 2

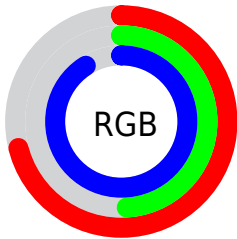
Format	Color
R _Y B	180, 126, 233
Decimal	11828969
CIE Lab	62.00, 41.17, -46.45
CIE LCh	62, 62.065, 311.553
Yxy	30.4025, 0.2691, 0.2002
Android (android.graphics.Color)	4290019049 (0xFFB47EE9)
YUV	154.3440, 38.7774, 22.5003
Hunter-Lab	55.1385, 35.7993, -48.0830

Details

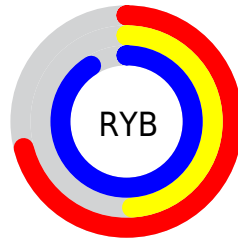
The CIELCh color **62, 62.065, 311.553** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **87, 58.041, 127.080**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **81, 44.405, 319.303**, and **42, 62.353, 311.659** is the 20% darker color. If you saturate the color by 10%, you get **56, 75.701, 312.056**, and if you desaturate by 10%, it is **68, 48.199, 311.013**.

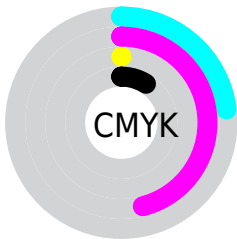
Distribution



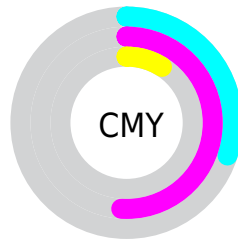
- Red (71%)
- Green (49%)
- Blue (91%)



- Red (71%)
- Yellow (49%)
- Blue (91%)



- Cyan (23%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)





- Cyan (30%)
- Magenta (51%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 62, 62.065, 311.553 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, 62.065, 311.553 by changing the saturation by 10% instead.


 62, 62.065,
311.553


 62, 62.065,
311.553


 100, 62.065,
311.553


 52, 62.065,
311.553


 82, 62.065,
311.553

 42, 62.065,
311.553

 92, 62.065,
311.553

 32, 62.065,
311.553

 22, 62.065,
311.553

 12, 62.065,
311.553

 2, 62.065, 311.553

 0, 62.065, 311.553

62, 62.065,
311.553

62, 62.065,
311.553

56, 75.701,
312.056

68, 48.199,
311.013

50, 88.609,
312.460

75, 34.415,
310.474

45, 100.042,
312.677

82, 20.883,
309.960

41, 109.061,
312.593

88, 7.693, 309.475

38, 114.828,
312.100

95, 5.112, 129.088

37, 116.521,
311.836

99, 11.505,
120.260

99, 11.267,
109.325

Harmonies

Complementary

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



62, 62.065, 311.553



87, 58.041, 127.080

Rectangle

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



62, 62.065, 311.553



62, 62.065, 1.553



62, 62.065, 131.553



62, 62.065, 181.553

Sweetspot

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



62, 62.063, 311.553



90, 19.671, 309.866



71, 32.398, 263.882



46, 13.621, 309.974



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, 62.063, 311.553



61, 80.128, 312.024



68, 66.906, 326.869



46, 7.412, 309.643



28, 96.380, 312.019



4, 37.701, 311.767

Inverse Universe

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



66, 48.360, 348.751



67, 61.364, 350.203



84, 67.168, 140.762



46, 5.942, 344.654



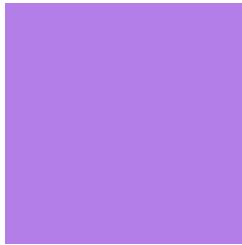
39, 65.494, 2.370



8, 28.565, 355.565

Previews

White Background



This preview shows how the CIELCh color 62, 62.065, 311.553 looks on a white background.

Color Contrast Check

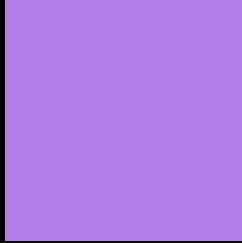
Large Text (above 18pt) WCAG AA × Fail

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, 62.065, 311.553 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

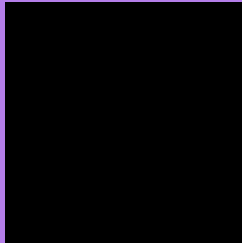
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 62, 62.065, 311.553

Background



This preview shows how black text looks on a background with the CIELCh color 62, 62.065, 311.553.



This preview shows how white text looks on a background with the CIELCh color 62, 62.065, 311.553.

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, 10.538, 344.725

Trichromacy



Original Color
62, 62.065, 311.553



Protanomaly
62, 58.854, 294.629



Deuteranomaly
62, 49.944, 294.045



Tritanomaly
62, 28.698, 318.027

Monochromacy



Original Color
62, 62.065, 311.553



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 23.016, 309.624

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 62, 62.065, 311.553 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(180, 126, 233)` looks like.

```
.text, #text, p{  
    color:rgb(180, 126, 233)  
}
```

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(180, 126, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 126, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 62, 62.065, 311.553 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(180, 126, 233) }
```

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

```
.border{ border-color:rgb(180, 126, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 126, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(180, 126, 233); -webkit-box-shadow:4px 4px 4px 4px rgb(180, 126, 233); box-shadow:4px 4px 4px 4px rgb(180, 126, 233) }
```

Background

The CSS property to change the background color of an element to CIELCh 62, 62.065, 311.553 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 126, 233) }
```

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

```
.background{ background-color: rgb(180,  
126, 233) }
```

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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