

Converting Colors

CIELCh(59, 62.081, 309.260)

Have a look what the booklet for
CIELCh(59, 62.081, 309.260)
contains.

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Color

CIELCh(59, 62.024, 309.297)

Conversions

Conversions Part 1

Format	Color
Hex	A678E3
RGB	166, 120, 227
RGB Percent	65%, 47%, 89%
CMY	0.3496, 0.5299, 0.1104
CMYK	0.27, 0.47, 0.00, 0.11
HSL	266°, 66%, 68%
HSV	266°, 47%, 89%
XYZ	36.2378, 27.0277, 75.8687
YIQ	145.9520, -6.9310, 43.0290

Conversions

Conversions Part 2

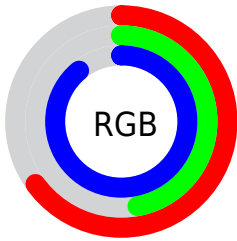
Format	Color
RYB	166, 120, 227
Decimal	10909923
CIELab	59.00, 39.28, -48.00
CIELCh	59, 62.024, 309.297
Yxy	27.0277, 0.2605, 0.1943
Android (android.graphics.Color)	4289100003 (0xFFA678E3)
YUV	145.9520, 39.9567, 17.5821
Hunter-Lab	51.9882, 33.4419, -50.1328

Details

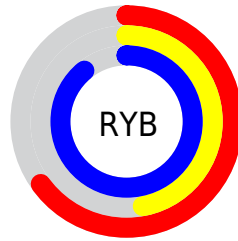
The CIELCh color `59, 62.024, 309.297` is a light color, and the websafe version is hex `9966CC`. A complement of this color would be `85, 57.130, 124.288`, and the grayscale version is `60, 0.008, 296.813`.

A 20% lighter version of the original color is `78, 47.039, 314.240`, and `39, 61.997, 309.287` is the 20% darker color. If you saturate the color by 10%, you get `53, 75.531, 309.921`, and if you desaturate by 10%, it is `65, 48.388, 308.654`.

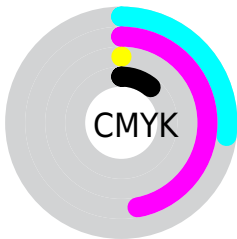
Distribution



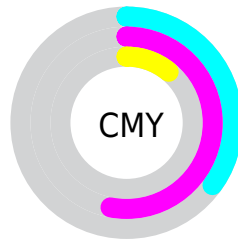
- Red (65%)
- Green (47%)
- Blue (89%)



- Red (65%)
- Yellow (47%)
- Blue (89%)



- Cyan (27%)
- Magenta (47%)
- Yellow (0%)
- Black (11%)





- Cyan (35%)
- Magenta (53%)
- Yellow (11%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 59, 62.024, 309.297 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 59, 62.024, 309.297 by changing the saturation by 10% instead.


 59, 62.024,
309.297

 59, 62.024,
309.297


 100, 62.024,
309.297


 49, 62.024,
309.297


 79, 62.024,
309.297

 39, 62.024,
309.297

 89, 62.024,
309.297

 29, 62.024,
309.297

 99, 62.024,
309.297

 19, 62.024,
309.297

 9, 62.024, 309.297

 0, 62.024, 309.297

59, 62.024,
309.297

59, 62.024,
309.297

53, 75.531,
309.921

65, 48.388,
308.654

47, 88.423,
310.458

72, 34.908,
308.030

42, 99.927,
310.806

79, 21.733,
307.448

38, 109.022,
310.833

85, 8.931, 306.914

35, 114.810,
310.420

92, 3.469, 126.483

34, 116.121,
310.276

99, 14.900,
125.335

99, 14.245,
109.101

Harmonies

Complementary

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



59, 62.024, 309.297



85, 57.130, 124.288

Rectangle

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



59, 62.024, 309.297



59, 62.024, 359.297



59, 62.024, 129.297



59, 62.024, 179.297

Sweetspot

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



59, 62.023, 309.297



90, 19.403, 307.279



72, 29.693, 254.039



46, 13.440, 307.398



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



59, 62.023, 309.297



59, 82.817, 309.933



65, 66.036, 324.414



44, 7.044, 307.032



26, 95.847, 310.460



3, 32.999, 307.672

Inverse Universe

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



64, 50.603, 344.543



67, 65.780, 345.927



82, 65.780, 138.881



44, 6.028, 340.754



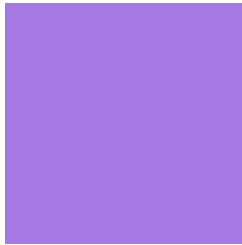
38, 65.401, 355.381



7, 27.267, 349.629

Previews

White Background



This preview shows how the CIELCh color 59, 62.024, 309.297 looks on a white background.

Color Contrast Check

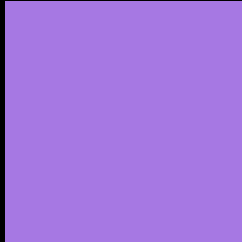
Large Text (above 18pt) WCAG AA ✓ Pass

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 59, 62.024, 309.297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

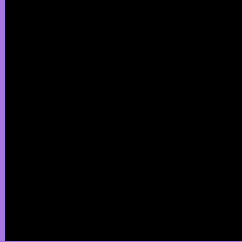
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 59, 62.024, 309.297

Background



This preview shows how black text looks on a background with the CIELCh color 59, 62.024, 309.297.



This preview shows how white text looks on a background with the CIELCh color 59, 62.024, 309.297.

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
59, 8.295, 331.567

Trichromacy



Original Color
59, 62.024, 309.297



Protanomaly
59, 59.936, 293.751



Deuteranomaly
59, 50.983, 292.192



Tritanomaly
59, 27.859, 312.464

Monochromacy



Original Color
59, 62.024, 309.297



Achromatopsia
61, 0.008, 296.813



Achromatomaly
59, 23.040, 307.926

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 59, 62.024, 309.297 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(166, 120, 227)` looks like.

```
.text, #text, p{  
    color:rgb(166, 120, 227)  
}
```

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(166, 120, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 120, 227) }
```

Border

The CSS property to change the border of an element to CIELCh 59, 62.024, 309.297 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(166, 120, 227) }
```

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

```
.border{ border-color:rgb(166, 120, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 120, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 120, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 120, 227);  
box-shadow:4px 4px 4px 4px rgb(166, 120,  
227) }
```

Background

The CSS property to change the background color of an element to CIELCh 59, 62.024, 309.297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 120, 227) }
```

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

```
.background{ background-color: rgb(166,  
120, 227) }
```

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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