

Converting Colors

CIELCh(47, 60.120, 309.612)

Have a look what the booklet for
CIELCh(47, 60.120, 309.612)
contains.

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Color

CIELCh(47, 60.120, 309.612)

Conversions

Conversions Part 1

Format	Color
Hex	855ABE
RGB	133, 90, 190
RGB Percent	52%, 35%, 75%
CMY	0.4784, 0.6470, 0.2549
CMYK	0.30, 0.53, 0.00, 0.25
HSL	266°, 43%, 55%
HSV	266°, 53%, 75%
XYZ	22.6268, 16.0195, 50.6205
YIQ	114.2570, -6.4720, 40.2160

Conversions

Conversions Part 2

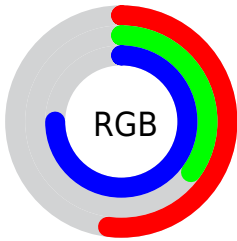
Format	Color
RYB	133, 90, 190
Decimal	8739518
CIELab	47.00, 38.33, -46.32
CIElCh	47, 60.120, 309.612
Yxy	16.0195, 0.2535, 0.1795
Android (android.graphics.Color)	4286929598 (0xFF855ABE)
YUV	114.2570, 37.3413, 16.4376
Hunter-Lab	40.0243, 30.8682, -46.9696

Details

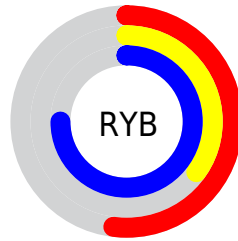
The CIELCh color $47, 60.120, 309.612$ is a dark color, and the websafe version is hex $9966CC$. A complement of this color would be $72, 54.824, 124.102$, and the grayscale version is $48, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 60.389, 309.761$, and $27, 60.079, 309.473$ is the 20% darker color. If you saturate the color by 10%, you get $42, 71.625, 310.198$, and if you desaturate by 10%, it is $52, 48.327, 308.979$.

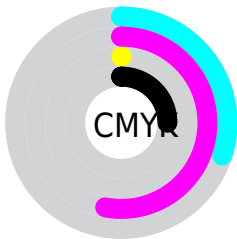
Distribution



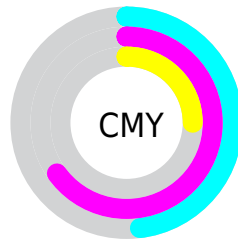
- Red (52%)
- Green (35%)
- Blue (75%)



- Red (52%)
- Yellow (35%)
- Blue (75%)



- Cyan (30%)
- Magenta (53%)
- Yellow (0%)
- Black (25%)





- Cyan (48%)
- Magenta (65%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 60.120, 309.612 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 47, 60.120, 309.612 by changing the saturation by 10% instead.


 47, 60.120,
309.612


 47, 60.120,
309.612


 100, 60.120,
309.612


 37, 60.120,
309.612

 67, 60.120,
309.612


 27, 60.120,
309.612

 77, 60.120,
309.612

 17, 60.120,
309.612

 87, 60.120,
309.612

 7, 60.120, 309.612

 97, 60.120,
309.612

 0, 60.120, 309.612

 47, 60.120,

 47, 60.120,

309.612

42, 71.625,
310.198

37, 82.320,
310.655

33, 91.439,
310.870

30, 98.086,
310.709

28, 101.543,
310.403

309.612

52, 48.327,
308.979

58, 36.565,
308.350

64, 25.009,
307.751

70, 13.749,
307.199

75, 2.823, 306.677

81, 7.757, 126.278

87, 17.995,
125.881

93, 27.902,
125.538

■ 97, 34.098,
123.333

Harmonies

Complementary

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



47, 60.120, 309.612



72, 54.824, 124.102

Rectangle

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



47, 60.120, 309.612



47, 60.120, 359.612



47, 60.120, 129.612



47, 60.120, 179.612

Sweetspot

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



47, 60.119, 309.612



86, 21.701, 307.394



59, 28.390, 255.379



45, 14.817, 307.509



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



47, 60.119, 309.612



54, 89.212, 310.271



53, 63.228, 324.598



37, 6.105, 307.028



23, 88.482, 310.555



2, 17.895, 302.683

Inverse Universe

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



52, 48.464, 345.185



62, 69.528, 346.862



70, 63.061, 138.438



37, 5.224, 340.745



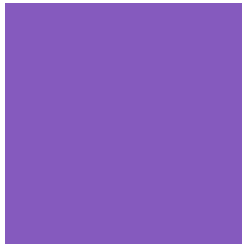
34, 60.513, 355.081



3, 14.560, 347.461

Previews

White Background



This preview shows how the CIELCh color 47, 60.120, 309.612 looks on a white 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

Black Background



This preview shows how the CIELCh color 47, 60.120, 309.612 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

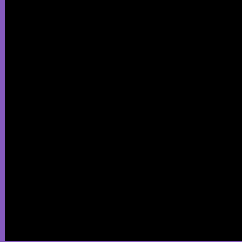
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 60.120, 309.612

Background



This preview shows how black text looks on a background with the CIELCh color 47, 60.120, 309.612.



This preview shows how white text looks on a background with the CIELCh color 47, 60.120, 309.612.

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



Original Color

47, 60.120, 309.612

Protanopia

47, 59.188, 287.112

Deuteranopia

47, 44.048, 279.429



Tritanopia
47, 6.971, 330.410

Trichromacy



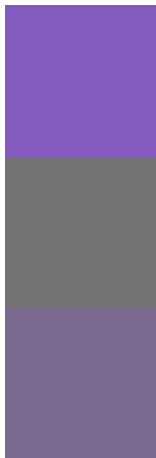
Original Color
47, 60.120, 309.612

Protanomaly
46, 59.047, 293.905

Deuteranomaly
46, 49.132, 291.350

Tritanomaly
46, 27.000, 311.629

Monochromacy



Original Color
47, 60.120, 309.612

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 22.809, 307.999

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 60.120, 309.612 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(133, 90, 190)` looks like.

```
.text, #text, p{  
    color:rgb(133, 90, 190)  
}
```

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(133, 90, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 90, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 60.120, 309.612 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(133, 90, 190) }
```

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

```
.border{ border-color:rgb(133, 90, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 90, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 90, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 90, 190);  
box-shadow:4px 4px 4px 4px rgb(133, 90,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 60.120, 309.612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 90, 190) }
```

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

```
.background{ background-color: rgb(133, 90,  
190) }
```

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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