

Converting Colors

CIELCh(47, 61.080, 331.945)

Have a look what the booklet for
CIELCh(47, 61.080, 331.945)
contains.

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Color

CIELCh(47, 61.223, 331.899)

Conversions

Conversions Part 1

Format	Color
Hex	AF46A1
RGB	175, 70, 161
RGB Percent	69%, 27%, 63%
CMY	0.3144, 0.7261, 0.3693
CMYK	0.00, 0.60, 0.08, 0.31
HSL	308°, 43%, 48%
HSV	308°, 60%, 69%
XYZ	26.2369, 16.0195, 35.3495
YIQ	111.7690, 33.3690, 50.5610

Conversions

Conversions Part 2

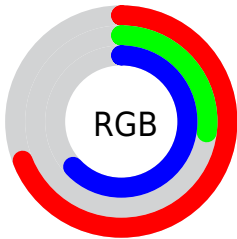
Format	Color
R_{YB}	175, 70, 161
Decimal	11486881
CIE _{Lab}	47.00, 54.01, -28.84
CIE _{LCh}	47, 61.223, 331.899
Yxy	16.0195, 0.3381, 0.2064
Android (android.graphics.Color)	4289676961 (0xFFAF46A1)
YUV	111.7690, 24.2709, 55.4536
Hunter-Lab	40.0243, 46.9684, -24.3480

Details

The CIELCh color **47, 61.223, 331.899** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **64, 62.090, 142.788**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 61.297, 331.973**, and **27, 61.126, 331.738** is the 20% darker color. If you saturate the color by 10%, you get **44, 68.482, 332.494**, and if you desaturate by 10%, it is **50, 52.471, 331.298**.

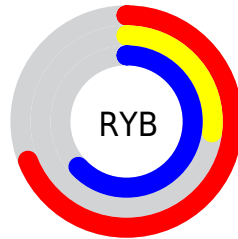
Distribution



Red (69%)

Green (27%)

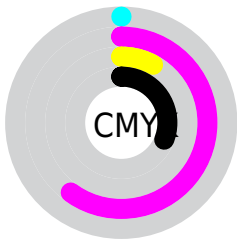
Blue (63%)



Red (69%)

Yellow (27%)

Blue (63%)

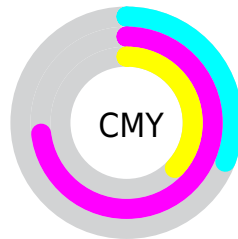


Cyan (0%)

Magenta (60%)

Yellow (8%)

Black (31%)



Cyan (31%)

Magenta (73%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 61.223, 331.899 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, 61.223, 331.899 by changing the saturation by 10% instead.


 47, 61.223,
331.899


 47, 61.223,
331.899


 100, 61.223,
331.899


 37, 61.223,
331.899

 67, 61.223,
331.899


 27, 61.223,
331.899

 77, 61.223,
331.899

 17, 61.223,
331.899

 87, 61.223,
331.899

 7, 61.223, 331.899

 97, 61.223,
331.899

 0, 61.223, 331.899

 47, 61.223,

 47, 61.223,

331.899

44, 68.482,
332.494

42, 73.842,
333.089

41, 77.050,
333.699

40, 78.478,
334.333

331.899

50, 52.471,
331.298

54, 42.684,
330.691

58, 32.266,
330.081

62, 21.543,
329.473

67, 10.756,
328.865

71, 0.066, 324.333

76, 10.421,
147.774

81, 20.645,
147.223

■ 86, 30.576,
146.705

Harmonies

Complementary

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



47, 61.223, 331.899



64, 62.090, 142.788

Rectangle

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



47, 61.223, 331.899



47, 61.223, 21.899



47, 61.223, 151.899



47, 61.223, 201.899

Sweetspot

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



47, 61.221, 331.899



80, 23.896, 329.367



36, 64.375, 301.944



41, 16.750, 329.541



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 61.221, 331.899



56, 85.578, 332.683



45, 46.784, 358.608



34, 6.013, 328.819



34, 70.351, 334.250



2, 12.160, 330.081

Inverse Universe

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



47, 61.221, 331.899



56, 85.578, 332.683



65, 41.676, 163.613



34, 6.013, 328.819



34, 70.351, 334.250



2, 12.160, 330.081

Previews

White Background



This preview shows how the CIELCh color 47, 61.223, 331.899 looks on a white background.

Color Contrast Check

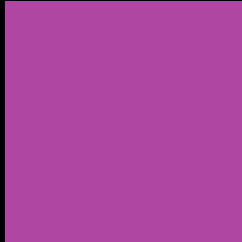
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 47, 61.223, 331.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

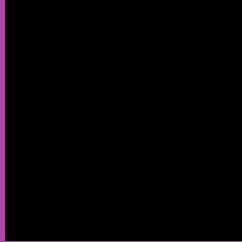
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 61.223, 331.899

Background



This preview shows how black text looks on a background with the CIELCh color 47, 61.223, 331.899.

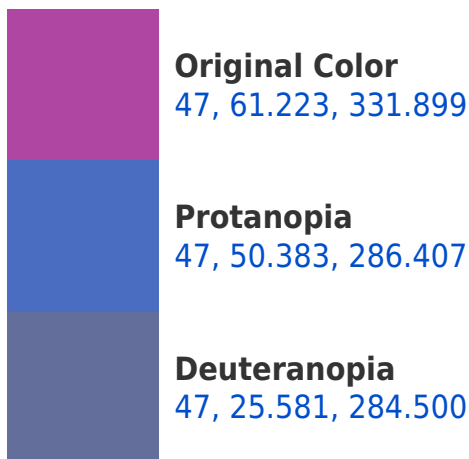


This preview shows how white text looks on a background with the CIELCh color 47, 61.223, 331.899.

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
47, 35.244, 19.005

Trichromacy



Original Color
47, 61.223, 331.899

Protanomaly
46, 51.964, 301.956

Deuteranomaly
46, 37.334, 311.481

Tritanomaly
47, 40.840, 354.756

Monochromacy



Original Color
47, 61.223, 331.899

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 24.513, 329.872

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 61.223, 331.899 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(175, 70, 161)` looks like.

```
.text, #text, p{  
    color:rgb(175, 70, 161)  
}
```

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(175, 70, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 70, 161) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 61.223, 331.899 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(175, 70, 161) }
```

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

```
.border{ border-color:rgb(175, 70, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 70, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 70, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 70, 161);  
box-shadow:4px 4px 4px 4px rgb(175, 70,  
161) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 61.223, 331.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 70, 161) }
```

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

```
.background{ background-color: rgb(175, 70,  
161) }
```

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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