

Converting Colors

CIELCh(47, 67.516, 331.378)

Have a look what the booklet for
CIELCh(47, 67.516, 331.378)
contains.

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Color

CIELCh(47, 67.550, 331.361)

Conversions

Conversions Part 1

Format	Color
Hex	B43FA7
RGB	180, 63, 167
RGB Percent	71%, 25%, 65%
CMY	0.2945, 0.7533, 0.3455
CMYK	0.00, 0.65, 0.07, 0.29
HSL	307°, 48%, 48%
HSV	307°, 65%, 71%
XYZ	27.5342, 16.0195, 38.1502
YIQ	109.8390, 36.3480, 57.1480

Conversions

Conversions Part 2

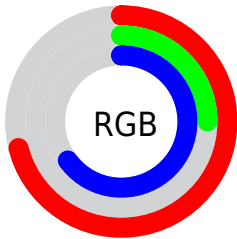
Format	Color
R_{YB}	180, 63, 167
Decimal	11812775
CIE _{Lab}	47.00, 59.29, -32.38
CIE _{LCh}	47, 67.550, 331.361
Yxy	16.0195, 0.3370, 0.1961
Android (android.graphics.Color)	4290002855 (0xFFB43FA7)
YUV	109.8390, 28.1804, 61.5312
Hunter-Lab	40.0243, 52.7542, -28.4968

Details

The CIELCh color $47, 67.550, 331.361$ is a dark color, and the websafe version is hex 993399 . A complement of this color would be $65, 68.951, 141.482$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 67.156, 331.399$, and $28, 64.131, 331.236$ is the 20% darker color. If you saturate the color by 10%, you get $45, 74.143, 331.896$, and if you desaturate by 10%, it is $50, 59.187, 330.808$.

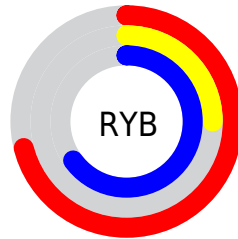
Distribution



Red (71%)

Green (25%)

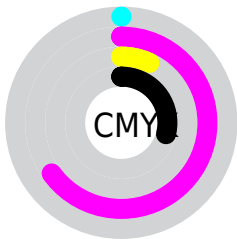
Blue (65%)



Red (71%)

Yellow (25%)

Blue (65%)

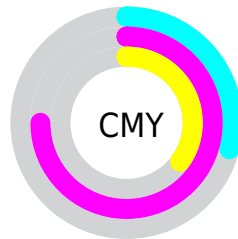


Cyan (0%)

Magenta (65%)

Yellow (7%)

Black (29%)



Cyan (29%)


Magenta (75%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 67.550, 331.361 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, 67.550, 331.361 by changing the saturation by 10% instead.


 47, 67.550,
331.361


 47, 67.550,
331.361


 100, 67.550,
331.361


 37, 67.550,
331.361

 67, 67.550,
331.361


 27, 67.550,
331.361

 77, 67.550,
331.361

 17, 67.550,
331.361

 87, 67.550,
331.361

 7, 67.550, 331.361

 97, 67.550,
331.361

 0, 67.550, 331.361

 47, 67.550,

 47, 67.550,

331.361

45, 74.143,
331.896

43, 78.621,
332.417

42, 80.874,
332.941

42, 81.535,
333.203

331.361

50, 59.187,
330.808

54, 49.514,
330.236

57, 38.979,
329.650

62, 27.964,
329.057

66, 16.763,
328.462

71, 5.584, 327.852

76, 5.435, 147.383

81, 16.207,
146.806

■ 85, 26.688,
146.277

Harmonies

Complementary

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



47, 67.550, 331.361



65, 68.951, 141.482

Rectangle

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



47, 67.550, 331.361



47, 67.550, 21.361



47, 67.550, 151.361



47, 67.550, 201.361

Sweetspot

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



47, 67.548, 331.361



81, 27.712, 328.778



35, 71.831, 302.431



42, 18.897, 328.942



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



47, 67.548, 331.361



57, 93.134, 332.121



45, 51.453, 358.585



35, 6.255, 328.120



35, 72.434, 333.133



2, 14.515, 329.281

Inverse Universe

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



47, 67.548, 331.361



57, 93.134, 332.121



66, 46.166, 161.765



35, 6.255, 328.120



35, 72.434, 333.133



2, 14.515, 329.281

Previews

White Background



This preview shows how the CIELCh color 47, 67.550, 331.361 looks on a white background.

Color Contrast Check

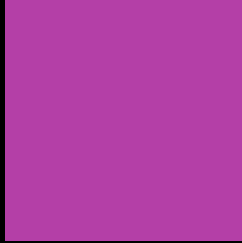
Large Text (above 18pt) WCAG AA ✓ Pass

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, 67.550, 331.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

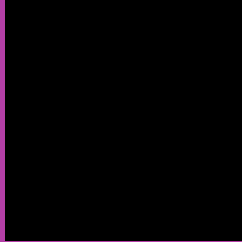
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 67.550, 331.361

Background



This preview shows how black text looks on a background with the CIELCh color 47, 67.550, 331.361.

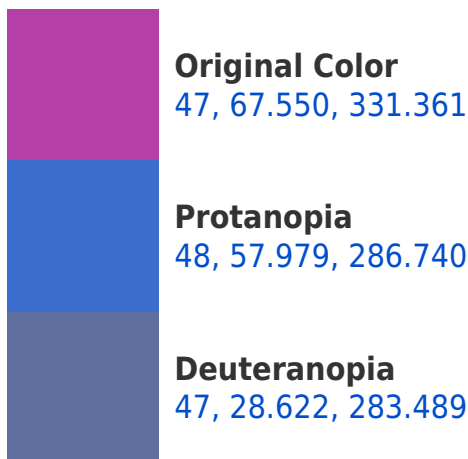


This preview shows how white text looks on a background with the CIELCh color 47, 67.550, 331.361.

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, 38.461, 20.094

Trichromacy



Original Color
47, 67.550, 331.361



Protanomaly
45, 59.552, 300.829



Deuteranomaly
46, 41.915, 310.199



Tritanomaly
47, 44.702, 354.575

Monochromacy



Original Color
47, 67.550, 331.361



Achromatopsia
46, 0.006, 296.813



Achromatomaly
45, 27.752, 328.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 67.550, 331.361 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, 63, 167)` looks like.

```
.text, #text, p{  
    color:rgb(180, 63, 167)  
}
```

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, 63, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 63, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 67.550, 331.361 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, 63, 167) }
```

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

```
.border{ border-color:rgb(180, 63, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 63, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 63, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 63, 167);  
box-shadow:4px 4px 4px 4px rgb(180, 63,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 67.550, 331.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 63, 167) }
```

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

```
.background{ background-color: rgb(180, 63,  
167) }
```

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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