

Converting Colors

CIELCh(47, 70.853, 329.843)

Have a look what the booklet for
CIELCh(47, 70.853, 329.843)
contains.

CIELCh(47, 70.877, 329.841)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 70.877, 329.841)

Conversions

Conversions Part 1

Format	Color
Hex	B43CAC
RGB	180, 60, 172
RGB Percent	71%, 24%, 67%
CMY	0.2925, 0.7631, 0.3240
CMYK	0.00, 0.67, 0.04, 0.29
HSL	304°, 50%, 47%
HSV	304°, 67%, 71%
XYZ	28.0358, 16.0195, 40.8349
YIQ	108.6480, 35.5680, 60.2720

Conversions

Conversions Part 2

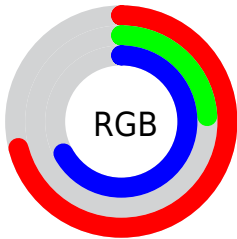
Format	Color
R_{YB}	180, 60, 172
Decimal	11812012
CIE _{Lab}	47.00, 61.28, -35.61
CIE _{LCh}	47, 70.877, 329.841
Yxy	16.0195, 0.3303, 0.1887
Android (android.graphics.Color)	4290002092 (0xFFB43CAC)
YUV	108.6480, 31.2325, 62.5757
Hunter-Lab	40.0243, 54.9913, -32.4737

Details

The CIELCh color **47, 70.877, 329.841** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **65, 72.353, 140.136**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 71.234, 329.917**, and **28, 65.721, 329.844** is the 20% darker color. If you saturate the color by 10%, you get **45, 77.426, 330.260**, and if you desaturate by 10%, it is **50, 62.473, 329.376**.

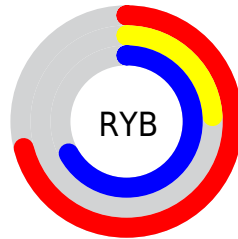
Distribution



Red (71%)

Green (24%)

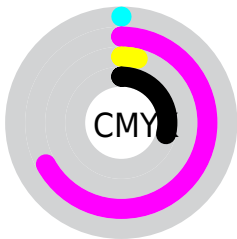
Blue (67%)



Red (71%)

Yellow (24%)

Blue (67%)

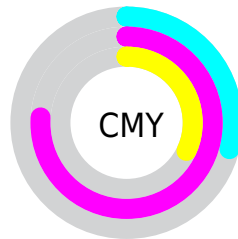


Cyan (0%)

Magenta (67%)

Yellow (4%)

Black (29%)



Cyan (29%)


Magenta (76%)


Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 70.877, 329.841 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, 70.877, 329.841 by changing the saturation by 10% instead.


 47, 70.877,
329.841


 47, 70.877,
329.841


 100, 70.877,
329.841


 37, 70.877,
329.841

 67, 70.877,
329.841


 27, 70.877,
329.841

 77, 70.877,
329.841

 17, 70.877,
329.841

 87, 70.877,
329.841

 7, 70.877, 329.841

 97, 70.877,
329.841

 0, 70.877, 329.841

 47, 70.877,

 47, 70.877,

329.841

329.841

45, 77.426,
330.260

50, 62.473,
329.376

43, 81.815,
330.632

53, 52.662,
328.869

42, 84.032,
330.967

57, 41.899,
328.331

42, 84.580,
331.079

61, 30.583,
327.773

66, 19.029,
327.203

70, 7.465, 326.620

75, 3.955, 146.165

80, 15.134,
145.580

■ 85, 26.017,
145.056

Harmonies

Complementary

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



47, 70.877, 329.841



65, 72.353, 140.136

Rectangle

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



47, 70.877, 329.841



47, 70.877, 19.841



47, 70.877, 149.841



47, 70.877, 199.841

Sweetspot

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



47, 70.875, 329.841



81, 28.567, 327.422



34, 73.842, 302.057



42, 19.479, 327.580



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, 70.875, 329.841



57, 97.190, 330.446



45, 53.031, 356.500



35, 6.450, 326.787



35, 74.951, 331.040



3, 15.175, 327.282

Inverse Universe

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



47, 70.875, 329.841



57, 97.190, 330.446



66, 48.605, 159.540



35, 6.450, 326.787



35, 74.951, 331.040



3, 15.175, 327.282

Previews

White Background



This preview shows how the CIELCh color 47, 70.877, 329.841 looks on a white background.

Color Contrast Check

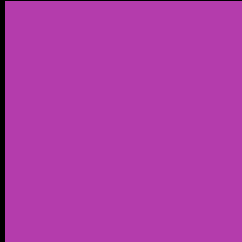
Large Text (above 18pt) WCAG AA ✓ Pass

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, 70.877, 329.841 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

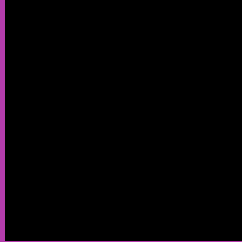
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 70.877, 329.841

Background



This preview shows how black text looks on a background with the CIELCh color 47, 70.877, 329.841.

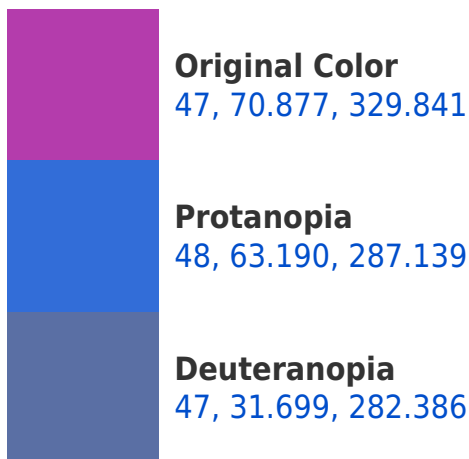


This preview shows how white text looks on a background with the CIELCh color 47, 70.877, 329.841.

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, 38.028, 19.967

Trichromacy



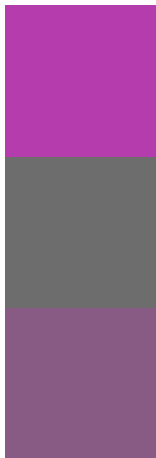
Original Color
47, 70.877, 329.841

Protanomaly
45, 64.749, 299.648

Deuteranomaly
45, 45.181, 308.288

Tritanomaly
46, 45.300, 352.562

Monochromacy



Original Color
47, 70.877, 329.841

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 29.593, 328.111

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 70.877, 329.841 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, 60, 172)` looks like.

```
.text, #text, p{  
    color:rgb(180, 60, 172)  
}
```

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, 60, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 60, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 70.877, 329.841 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, 60, 172) }
```

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

```
.border{ border-color:rgb(180, 60, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 60, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 60, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 60, 172);  
box-shadow:4px 4px 4px 4px rgb(180, 60,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 70.877, 329.841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 60, 172) }
```

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

```
.background{ background-color: rgb(180, 60,  
172) }
```

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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