

Converting Colors

CIELCh(47, 63.341, 304.824)

Have a look what the booklet for
CIELCh(47, 63.341, 304.824)
contains.

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Color

CIELCh(47, 63.433, 304.837)

Conversions

Conversions Part 1

Format	Color
Hex	795DC8
RGB	121, 93, 200
RGB Percent	47%, 36%, 78%
CMY	0.5261, 0.6358, 0.2163
CMYK	0.40, 0.54, 0.00, 0.22
HSL	256°, 49%, 57%
HSV	256°, 54%, 78%
XYZ	22.1708, 16.0195, 56.4675
YIQ	113.5700, -17.6590, 39.2130

Conversions

Conversions Part 2

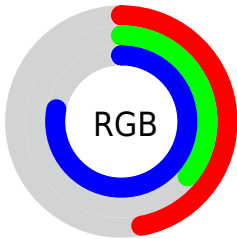
Format	Color
R_{YB}	121, 93, 200
Decimal	7953864
CIE _{Lab}	47.00, 36.24, -52.06
CIE _{LCh}	47, 63.433, 304.837
Yxy	16.0195, 0.2342, 0.1692
Android (android.graphics.Color)	4286143944 (0xFF795DC8)
YUV	113.5700, 42.6100, 6.5161
Hunter-Lab	40.0243, 28.8345, -55.6310

Details

The CIELCh color **47, 63.433, 304.837** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted purple. A complement of this color would be **77, 55.895, 117.203**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 62.174, 304.965**, and **27, 63.080, 304.635** is the 20% darker color. If you saturate the color by 10%, you get **41, 75.927, 305.879**, and if you desaturate by 10%, it is **53, 50.875, 303.812**.

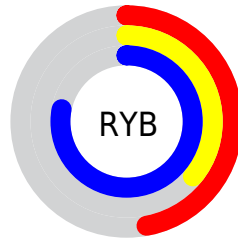
Distribution



Red (47%)

Green (36%)

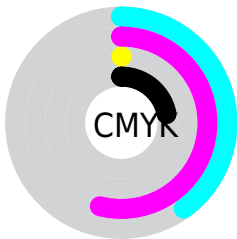
Blue (78%)



Red (47%)

Yellow (36%)

Blue (78%)

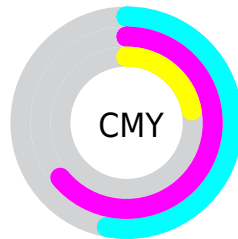


Cyan (40%)

Magenta (54%)

Yellow (0%)

Black (22%)



Cyan (53%)


Magenta (64%)

Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 63.433, 304.837 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, 63.433, 304.837 by changing the saturation by 10% instead.


 47, 63.433,
304.837


 47, 63.433,
304.837


 100, 63.433,
304.837


 37, 63.433,
304.837

 67, 63.433,
304.837


 27, 63.433,
304.837

 77, 63.433,
304.837

 17, 63.433,
304.837

 87, 63.433,
304.837

 7, 63.433, 304.837

 97, 63.433,
304.837

 0, 63.433, 304.837

 47, 63.433,

 47, 63.433,

304.837

41, 75.927,
305.879

36, 87.789,
306.836

31, 98.058,
307.548

28, 105.472,
307.819

26, 108.823,
307.818

304.837

53, 50.875,
303.812

59, 38.545,
302.857

66, 26.573,
301.995


72, 15.007,
301.230

78, 3.854, 300.556

85, 6.899, 119.989

91, 17.269,
119.485

97, 27.279,
119.051

 99, 27.823,
109.114

Harmonies

Complementary

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



47, 63.433, 304.837



77, 55.895, 117.203

Rectangle

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



47, 63.433, 304.837



47, 63.433, 354.837



47, 63.433, 124.837



47, 63.433, 174.837

Sweetspot

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



47, 63.432, 304.837



88, 21.730, 301.427



67, 27.197, 231.076



45, 14.727, 301.584



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



47, 63.432, 304.837



52, 93.271, 306.020



53, 65.386, 319.476



39, 6.218, 300.941



21, 93.477, 307.939



2, 21.749, 298.601

Inverse Universe

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



55, 56.888, 336.735



65, 79.725, 337.788



74, 63.555, 134.386



39, 6.149, 333.360



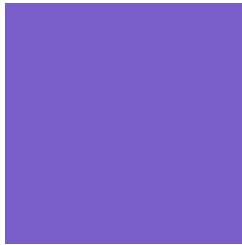
36, 67.921, 341.981



4, 21.259, 338.299

Previews

White Background



This preview shows how the CIELCh color 47, 63.433, 304.837 looks on a white background.

Color Contrast Check

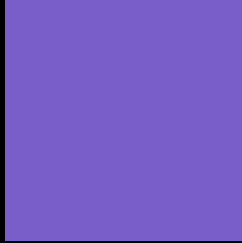
Large Text (above 18pt) WCAG AA ✓ Pass

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, 63.433, 304.837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

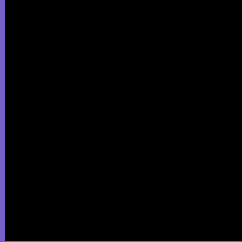
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 63.433, 304.837

Background



This preview shows how black text looks on a background with the CIELCh color 47, 63.433, 304.837.

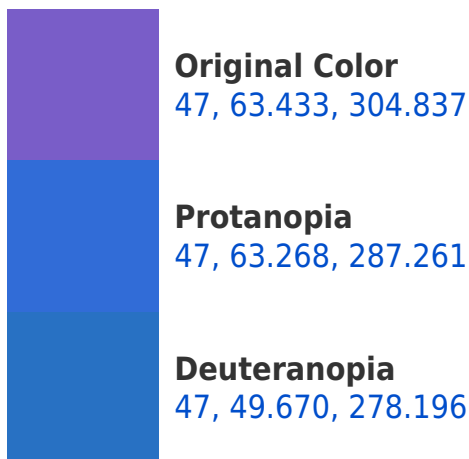



This preview shows how white text looks on a background with the CIELCh color 47, 63.433, 304.837.

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, 6.488, 254.538

Trichromacy



Original Color
47, 63.433, 304.837

Protanomaly
46, 63.132, 292.351

Deuteranomaly
46, 54.021, 287.526

Tritanomaly
47, 26.173, 295.915

Monochromacy



Original Color
47, 63.433, 304.837

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 23.486, 302.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 63.433, 304.837 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(121, 93, 200)` looks like.

```
.text, #text, p{  
    color:rgb(121, 93, 200)  
}
```

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(121, 93, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 93, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 63.433, 304.837 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(121, 93, 200) }
```

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

```
.border{ border-color:rgb(121, 93, 200) }
```

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

Here you see how a box with a 4 pixel rgb(121, 93, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 93, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 93, 200);  
box-shadow:4px 4px 4px 4px rgb(121, 93,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 63.433, 304.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 93, 200) }
```

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

```
.background{ background-color: rgb(121, 93,  
200) }
```

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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