

Converting Colors

XYZ(47.7015, 47.4801, 68.6973)

Have a look what the booklet for
XYZ(47.7015, 47.4801, 68.6973)
contains.

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Color

**XYZ(47.7334, 47.4633,
68.9329)**

Conversions

Conversions Part 1

Format	Color
Hex	B7B4D4
RGB	183, 180, 212
RGB Percent	72%, 71%, 83%
CMY	0.2823, 0.2941, 0.1686
CMYK	0.14, 0.15, 0.00, 0.17
HSL	246°, 27%, 77%
HSV	246°, 15%, 83%
XYZ	47.7334, 47.4633, 68.9329
YIQ	184.5450, -8.4840, 10.5880

Conversions

Conversions Part 2

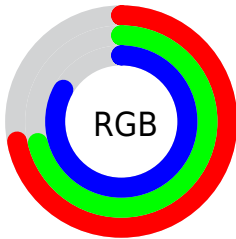
Format	Color
RYB	183, 180, 212
Decimal	12039380
CIELab	74.49, 7.41, -15.72
CIELCh	74, 17.383, 295.237
Yxy	47.4633, 0.2908, 0.2892
Android (android.graphics.Color)	4290229460 (0xFFB7B4D4)
YUV	184.5450, 13.5353, -1.3550
Hunter-Lab	68.8936, 3.1111, -11.0983

Details

The XYZ color **47.7334, 47.4633, 68.9329** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.0779, 63.9388, 52.4627**, and the grayscale version is **45.7934, 48.1782, 52.4661**.

A 20% lighter version of the original color is **83.6421, 85.5616, 106.7144**, and **22.8811, 22.3589, 35.0080** is the 20% darker color. If you saturate the color by 10%, you get **39.5144, 37.3525, 67.4153**, and if you desaturate by 10%, it is **57.2337, 59.2088, 70.7001**.

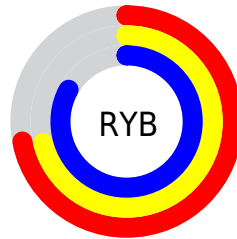
Distribution



Red (72%)

Green (71%)

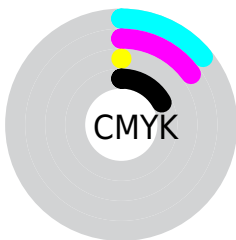
Blue (83%)



Red (72%)

Yellow (71%)

Blue (83%)

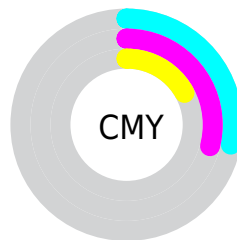


Cyan (14%)

Magenta (15%)

Yellow (0%)

Black (17%)



Cyan (28%)

Magenta (29%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.7334, 47.4633, 68.9329 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 XYZ color 47.7334, 47.4633, 68.9329 by changing the saturation by 10% instead.

■ 47.7334, 47.4633,
68.9329

■ 47.7334, 47.4633,
68.9329

368.3346,
376.6608, 475.4818

■ 33.8262, 33.4021,
50.1856

■ 86.0194, 86.4048,
119.3525

■ 22.9224, 22.4346,
35.1887

111.1290,
112.0538, 151.8620

■ 14.6566, 14.1766,
23.5236

140.7033,
142.3342, 189.7959

■ 8.6635, 8.2436,
14.7717

175.1078,
177.6304, 233.5729

■ 4.5777, 4.2512,
8.5144

214.7078,
218.3267, 283.6114

■ 2.0338, 1.8151,
4.3334

259.8687,

■ 0.6529, 0.4965,

264.8077, 340.3301

1.8100

310.9559,
317.4576, 404.1473

■ 0.0000, 0.0000,
0.4345

■ 0.0000, 0.0000,
0.0000

■ 47.7334, 47.4633,
68.9329

■ 47.7334, 47.4633,
68.9329

■ 39.5144, 37.3525,
67.4153

■ 57.2337, 59.2088,
70.7001

■ 32.5178, 28.7982,
66.1329

■ 68.0625, 72.6509,
72.7239

■ 26.6860, 21.7248,
65.0749

■ 80.2697, 87.8553,
75.0152

■ 21.9557, 16.0479,
64.2285

■ 88.8838, 97.5335,
76.4293

■ 18.2570, 11.6746,
63.5793

■ 15.5123, 8.5007,
63.1114

■ 13.6326, 6.4060,
62.8061

■ 12.5117, 5.2449,
62.6411

■ 12.1695, 4.9008,
62.5927

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.6135, 47.4633, 70.8766



47.7334, 47.4633, 68.9329



50.2513, 47.4633, 62.1680

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



47.7334, 47.4633, 68.9329



48.6398, 47.4633, 38.7474



39.3645, 47.4633, 50.2585

Complementary

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



47.7334, 47.4633, 68.9329



58.0779, 63.9388, 52.4627

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



40.3364, 47.4633, 42.4424



47.7334, 47.4633, 68.9329



45.6151, 47.4633, 36.3053

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



47.7334, 47.4633, 68.9329



50.7914, 47.4633, 44.6585



42.5892, 47.4633, 37.5757



39.8734, 47.4633, 59.4003

Rectangle

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



47.7334, 47.4633, 68.9329



51.2001, 47.4633, 56.2074



42.5892, 47.4633, 37.5757



39.5275, 47.4633, 47.4015

Sweetspot

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



47.7348, 47.4653, 68.9340



86.9924, 90.0071, 107.3959



53.5899, 60.2227, 71.0878



18.3865, 18.9760, 22.9436



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



47.7348, 47.4653, 68.9340



68.4319, 67.0761, 103.9480



51.6714, 49.4946, 69.1182



11.8494, 12.0638, 15.6415



7.5502, 3.0448, 38.6429



0.4933, 0.2032, 2.3325

Inverse Universe

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



54.9829, 51.2451, 67.3172



81.4303, 73.8561, 100.9825



53.8606, 61.7647, 52.2653



12.9005, 12.6117, 15.4164



22.6651, 11.0024, 31.8703



1.3820, 0.6696, 2.0010

Previews

White Background



This preview shows how the XYZ color 47.7334, 47.4633, 68.9329 looks on a white background.

Color Contrast Check

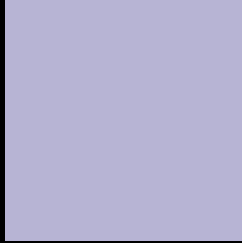
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 47.7334, 47.4633, 68.9329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

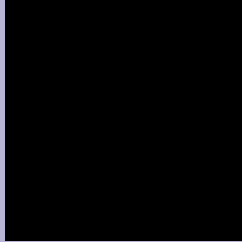
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7334, 47.4633, 68.9329

Background



This preview shows how black text looks on a background with the XYZ color 47.7334, 47.4633, 68.9329.



This preview shows how white text looks on a background with the XYZ color 47.7334, 47.4633,

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

47.7334, 47.4633, 68.9329

Protanopia

46.8697, 47.6071, 69.6696

Deuteranopia

48.4973, 47.5585, 68.9110



Tritanopia

45.8339, 47.6015, 59.5956

Trichromacy



Original Color

47.7334, 47.4633, 68.9329

Protanomaly

47.1245, 47.4355, 69.6230

Deuteranomaly

48.2535, 47.4328, 68.8996

Tritanomaly

46.4447, 47.5439, 62.6061

Monochromacy



Original Color

47.7334, 47.4633, 68.9329

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

46.5510, 47.9975, 58.4407

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7334, 47.4633, 68.9329 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(183, 180, 212)` looks like.

```
.text, #text, p{  
    color:rgb(183, 180, 212)  
}
```

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(183, 180, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 180, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.7334, 47.4633, 68.9329 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(183, 180, 212) }
```


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

```
.border{ border-color:rgb(183, 180, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 180, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 180, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 180, 212);  
box-shadow:4px 4px 4px 4px rgb(183, 180,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7334, 47.4633, 68.9329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 180, 212) }
```

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

```
.background{ background-color: rgb(183,  
180, 212) }
```

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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