

Converting Colors

XYZ(47.2639, 47.6758, 68.7682)

Have a look what the booklet for
XYZ(47.2639, 47.6758, 68.7682)
contains.

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Color

**XYZ(47.2299, 47.5045,
68.9674)**

Conversions

Conversions Part 1

Format	Color
Hex	B4B5D4
RGB	180, 181, 212
RGB Percent	71%, 71%, 83%
CMY	0.2941, 0.2902, 0.1686
CMYK	0.15, 0.15, 0.00, 0.17
HSL	238°, 27%, 77%
HSV	238°, 15%, 83%
XYZ	47.2299, 47.5045, 68.9674
YIQ	184.2350, -10.5470, 9.4290

Conversions

Conversions Part 2

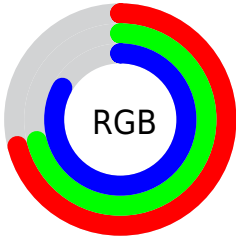
Format	Color
R_{YB}	180, 181, 212
Decimal	11843028
CIE _{Lab}	74.51, 5.90, -15.71
CIE _{LCh}	75, 16.777, 290.576
Yxy	47.5045, 0.2885, 0.2902
Android (android.graphics.Color)	4290033108 (0xFFB4B5D4)
YUV	184.2350, 13.6881, -3.7141
Hunter-Lab	68.9235, 1.7012, -11.0813

Details

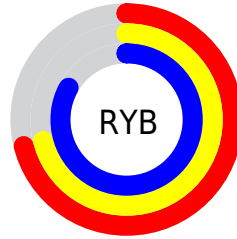
The XYZ color **47.2299, 47.5045, 68.9674** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **58.6841, 63.8806, 52.4182**, and the grayscale version is **45.6219, 47.9978, 52.2696**.

A 20% lighter version of the original color is **82.9263, 85.6212, 106.7636**, and **22.5574, 22.3847, 35.0301** is the 20% darker color. If you saturate the color by 10%, you get **38.7947, 37.4084, 67.4640**, and if you desaturate by 10%, it is **57.0384, 59.2247, 70.7134**.

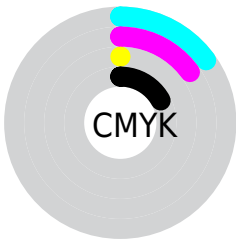
Distribution



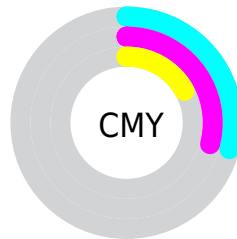
- Red (71%)
- Green (71%)
- Blue (83%)



- Red (71%)
- Yellow (71%)
- Blue (83%)



- Cyan (15%)
- Magenta (15%)
- Yellow (0%)
- Black (17%)



- Cyan (29%)
- Magenta (29%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2299, 47.5045, 68.9674 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 47.2299, 47.5045, 68.9674 by changing the saturation by 10% instead.

■ 47.2299, 47.5045,
68.9674

■ 47.2299, 47.5045,
68.9674

366.3651,
376.8247, 475.6068

■ 33.4261, 33.4347,
50.2136

■ 85.2733, 86.4662,
119.4023

■ 22.6139, 22.4596,
35.2108

110.2437,
112.1268, 151.9204

■ 14.4278, 14.1950,
23.5404

139.6671,
142.4199, 189.8637

■ 8.5025, 8.2564,
14.7840

173.9087,
177.7297, 233.6507

■ 4.4726, 4.2595,
8.5230

213.3339,
218.4407, 283.7000

■ 1.9728, 1.8197,
4.3389

258.3082,

■ 0.6186, 0.4994,

264.9373, 340.4301

1.8130

309.1968,
317.6038, 404.2595

■ 0.0000, 0.0000,
0.4365

■ 0.0000, 0.0000,
0.0000

■ 47.2299, 47.5045,
68.9674

■ 47.2299, 47.5045,
68.9674

■ 38.7947, 37.4084,
67.4640

■ 57.0384, 59.2247,
70.7134

■ 31.6674, 28.8591,
66.1895

■ 68.2729, 72.6298,
72.7087

■ 25.7838, 21.7822,
65.1336

■ 80.9889, 87.7850,
74.9638

■ 21.0726, 16.0943,
64.2840

■ 88.8838, 97.5335,
76.4293

■ 17.4554, 11.7043,
63.6273

■ 14.8439, 8.5098,
63.1483

■ 13.1366, 6.3931,
62.8298

■ 12.2101, 5.2128,
62.6508

■ 11.9559, 4.8977,
62.6034

Harmonies

Analogous

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



44.2045, 47.5045, 69.9889



47.2299, 47.5045, 68.9674



49.8024, 47.5045, 63.0585

Triad

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



47.2299, 47.5045, 68.9674



48.9528, 47.5045, 39.8782



39.6455, 47.5045, 49.0405

Complementary

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



47.2299, 47.5045, 68.9674



58.6841, 63.8806, 52.4182

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.



40.7998, 47.5045, 41.8368



47.2299, 47.5045, 68.9674



46.1121, 47.5045, 36.9507

Square

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



47.2299, 47.5045, 68.9674



50.8276, 47.5045, 46.0800



43.1352, 47.5045, 37.6253



39.9147, 47.5045, 57.8117

Rectangle

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



47.2299, 47.5045, 68.9674



50.8709, 47.5045, 57.4730



43.1352, 47.5045, 37.6253



39.8779, 47.5045, 46.3724

Sweetspot

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



47.2314, 47.5065, 68.9685



86.6996, 90.0330, 107.4163



54.1163, 61.4910, 70.6017



18.3156, 18.9822, 22.9485



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.



47.2314, 47.5065, 68.9685



67.5524, 67.1490, 104.0084



50.6943, 48.9902, 69.0723



11.7735, 12.0704, 15.6468



7.3945, 3.0507, 38.6523



0.4572, 0.2065, 2.3351

Inverse Universe

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



51.8143, 49.9769, 50.6339



75.7650, 71.5900, 71.1496



54.8260, 62.2625, 52.3092



12.4389, 12.4270, 12.9853



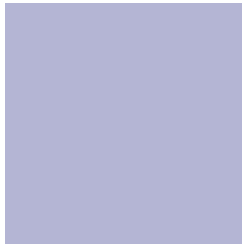
16.7912, 8.6528, 0.9388



1.0184, 0.5242, 0.0865

Previews

White Background



This preview shows how the XYZ color 47.2299, 47.5045, 68.9674 looks on a white background.

Color Contrast Check

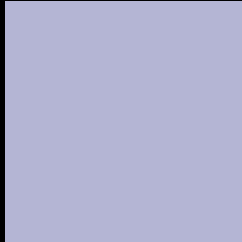
Large Text (above 18pt) WCAG AA × Fail

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 47.2299, 47.5045, 68.9674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

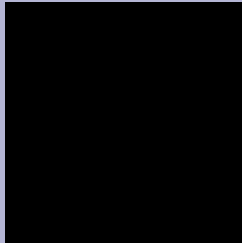
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.2299, 47.5045, 68.9674

Background



This preview shows how black text looks on a background with the XYZ color 47.2299, 47.5045, 68.9674.



This preview shows how white text looks on a background with the XYZ color 47.2299, 47.5045,

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

47.2299, 47.5045, 68.9674

Protanopia

46.9717, 47.6743, 69.0137

Deuteranopia

48.4973, 47.5585, 68.9110



Tritanopia

45.4866, 47.4092, 60.1796

Trichromacy



Original Color

47.2299, 47.5045, 68.9674

Protanomaly

47.2020, 47.7931, 69.0245

Deuteranomaly

47.9721, 47.5863, 68.9440

Tritanomaly

46.0978, 47.3514, 63.2100

Monochromacy



Original Color

47.2299, 47.5045, 68.9674

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.1995, 47.8293, 57.8359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2299, 47.5045, 68.9674 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, 181, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 181, 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(180, 181, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 181, 212) }
```

Border

The CSS property to change the border of an element to XYZ 47.2299, 47.5045, 68.9674 is called "border". The border property can be set on classes, ids or directly on the HTML element.

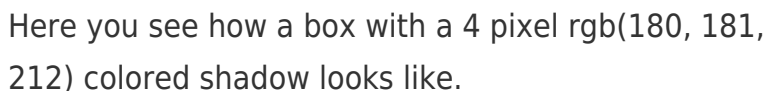
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(180, 181, 212) }
```


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

```
.border{ border-color:rgb(180, 181, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(180, 181, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 181, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 181, 212);  
box-shadow:4px 4px 4px 4px rgb(180, 181,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2299, 47.5045, 68.9674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 181, 212) }
```

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

```
.background{ background-color: rgb(180,  
181, 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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