

Converting Colors

XYZ(46.8965, 46.9883, 71.0446)

Have a look what the booklet for
XYZ(46.8965, 46.9883, 71.0446)
contains.

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Color

**XYZ(46.9471, 47.0138,
70.8902)**

Conversions

Conversions Part 1

Format	Color
Hex	B2B4D7
RGB	178, 180, 215
RGB Percent	70%, 71%, 84%
CMY	0.3020, 0.2941, 0.1569
CMYK	0.17, 0.16, 0.00, 0.16
HSL	237°, 32%, 77%
HSV	237°, 17%, 84%
XYZ	46.9471, 47.0138, 70.8902
YIQ	183.3920, -12.4270, 10.4610

Conversions

Conversions Part 2

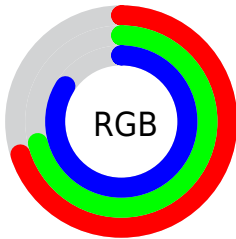
Format	Color
RYB	178, 180, 215
Decimal	11711703
CIELab	74.20, 6.45, -17.83
CIELCh	74, 18.959, 289.896
Yxy	47.0138, 0.2848, 0.2852
Android (android.graphics.Color)	4289901783 (0xFFB2B4D7)
YUV	183.3920, 15.5827, -4.7288
Hunter-Lab	68.5666, 2.2262, -13.3026

Details

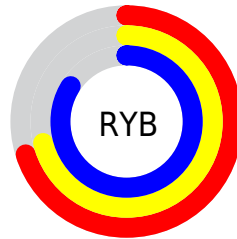
The XYZ color **46.9471, 47.0138, 70.8902** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **59.8548, 65.2498, 51.5604**, and the grayscale version is **45.1481, 47.4993, 51.7267**.

A 20% lighter version of the original color is **81.9771, 84.7033, 106.6365**, and **22.3920, 22.0768, 36.3388** is the 20% darker color. If you saturate the color by 10%, you get **38.5867, 37.0509, 69.4086**, and if you desaturate by 10%, it is **56.6859, 58.5839, 72.6109**.

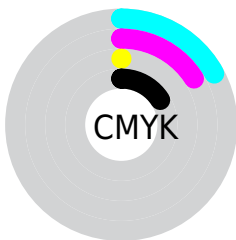
Distribution



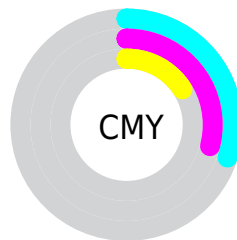
- Red (70%)
- Green (71%)
- Blue (84%)



- Red (70%)
- Yellow (71%)
- Blue (84%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)



- Cyan (30%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9471, 47.0138, 70.8902 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 46.9471, 47.0138, 70.8902 by changing the saturation by 10% instead.

■ 46.9471, 47.0138,
70.8902

■ 46.9471, 47.0138,
70.8902

365.2558,
374.8696, 482.5428

■ 33.2016, 33.0466,
51.7713

■ 84.8539, 85.7342,
122.1704

■ 22.4409, 22.1621,
36.4418

109.7459,
111.2562, 155.1687

■ 14.2996, 13.9761,
24.4832

139.0841,
141.3985, 193.6307

■ 8.4125, 8.1040,
15.4770

173.2339,
176.5456, 237.9747

■ 4.4140, 4.1616,
9.0045

212.5606,
217.0819, 288.6194

■ 1.9389, 1.7644,
4.6473

257.4295,

■ 0.5993, 0.4648,

263.3917, 345.9833

1.9867

308.2062,
315.8595, 410.4849

■ 0.0000, 0.0000,
0.5471

■ 0.0000, 0.0000,
0.0000

■ 46.9471, 47.0138,
70.8902

■ 46.9471, 47.0138,
70.8902

■ 38.5867, 37.0509,
69.4086

■ 56.6859, 58.5839,
72.6109

■ 31.5384, 28.6185,
68.1524

■ 67.8568, 71.8217,
74.5773

■ 25.7368, 21.6426,
67.1117

■ 80.5161, 86.7918,
76.7996

■ 21.1091, 16.0405,
66.2743

■ 89.2659, 97.6864,
78.4413

■ 17.5752, 11.7215,
65.6269

■ 15.0448, 8.5838,
65.1547

■ 13.4131, 6.5100,
64.8404

■ 12.5463, 5.3556,
64.6632

■ 12.3930, 5.1605,
64.6337

Harmonies

Analogous

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



43.5481, 47.0138, 71.9229



46.9471, 47.0138, 70.8902



49.8743, 47.0138, 64.2225

Triad

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



46.9471, 47.0138, 70.8902



49.0301, 47.0138, 38.1635



38.5533, 47.0138, 47.9753

Complementary

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



46.9471, 47.0138, 70.8902



59.8548, 65.2498, 51.5604

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.



39.8691, 47.0138, 40.0519



46.9471, 47.0138, 70.8902



45.8419, 47.0138, 34.8818

Square

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



46.9471, 47.0138, 70.8902



51.1185, 47.0138, 45.0792



42.4972, 47.0138, 35.5262



38.8157, 47.0138, 57.8296

Rectangle

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



46.9471, 47.0138, 70.8902



51.1096, 47.0138, 57.8988



42.4972, 47.0138, 35.5262



38.8230, 47.0138, 45.0206

Sweetspot

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



46.9486, 47.0157, 70.8913



86.7864, 90.2067, 107.4452



54.6126, 62.8472, 71.8938



18.3366, 19.0242, 22.9556



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.



46.9486, 47.0157, 70.8913



63.9341, 63.0510, 103.4081



50.4438, 48.2220, 70.9399



11.7960, 12.1154, 15.6543



7.4367, 3.1352, 38.6664



0.4680, 0.2279, 2.3386

Inverse Universe

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



52.1841, 49.5843, 50.0025



73.1725, 67.6197, 66.5408



55.8816, 63.9537, 51.5196



12.4502, 12.4316, 13.0451



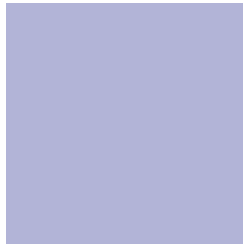
16.8126, 8.6613, 1.0511



1.0238, 0.5263, 0.1150

Previews

White Background



This preview shows how the XYZ color 46.9471, 47.0138, 70.8902 looks on a white background.

Color Contrast Check

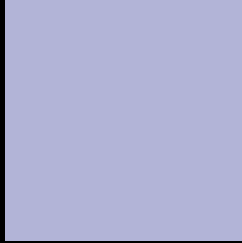
Large Text (above 18pt) WCAG AA × Fail

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 46.9471, 47.0138, 70.8902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

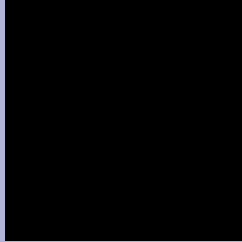
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9471, 47.0138, 70.8902

Background



This preview shows how black text looks on a background with the XYZ color 46.9471, 47.0138, 70.8902.



This preview shows how white text looks on a background with the XYZ color 46.9471, 47.0138,

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

46.9471, 47.0138, 70.8902

Protanopia

46.5977, 47.1196, 71.6048

Deuteranopia

47.9533, 46.9374, 70.8224



Tritanopia

44.8057, 47.0581, 60.1477

Trichromacy



Original Color

46.9471, 47.0138, 70.8902

Protanomaly

46.8230, 47.2357, 71.6153

Deuteranomaly

47.6772, 47.0916, 70.8667

Tritanomaly

45.5315, 47.0456, 63.8077

Monochromacy



Original Color

46.9471, 47.0138, 70.8902

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.6343, 47.2198, 58.3389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9471, 47.0138, 70.8902 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(178, 180, 215)` looks like.

```
.text, #text, p{  
    color:rgb(178, 180, 215)  
}
```

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(178, 180, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 180, 215) }
```

Border

The CSS property to change the border of an element to XYZ 46.9471, 47.0138, 70.8902 is called "border". The border property can be set on classes, ids or directly on the HTML element.

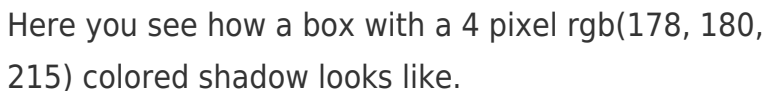
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(178, 180, 215) }
```


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

```
.border{ border-color:rgb(178, 180, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(178, 180, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 180, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 180, 215);  
box-shadow:4px 4px 4px 4px rgb(178, 180,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9471, 47.0138, 70.8902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 180, 215) }
```

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

```
.background{ background-color: rgb(178,  
180, 215) }
```

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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