

Converting Colors

XYZ(47.4662, 47.1391, 80.8626)

Have a look what the booklet for
XYZ(47.4662, 47.1391, 80.8626)
contains.

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Color

**XYZ(47.4774, 47.0703,
80.7119)**

Conversions

Conversions Part 1

Format	Color
Hex	ACB4E5
RGB	172, 180, 229
RGB Percent	67%, 71%, 90%
CMY	0.3255, 0.2941, 0.1020
CMYK	0.25, 0.21, 0.00, 0.10
HSL	232°, 52%, 79%
HSV	232°, 25%, 90%
XYZ	47.4774, 47.0703, 80.7119
YIQ	183.1940, -20.4970, 13.5430

Conversions

Conversions Part 2

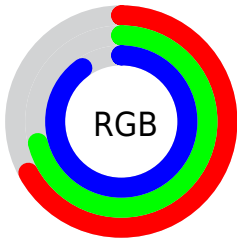
Format	Color
R_{YB}	172, 179, 229
Decimal	11318501
CIE Lab	74.23, 7.78, -25.43
CIE LCh	74, 26.591, 287.011
Yxy	47.0703, 0.2709, 0.2686
Android (android.graphics.Color)	4289508581 (0xFFACB4E5)
YUV	183.1940, 22.5824, -9.8171
Hunter-Lab	68.6078, 3.4604, -21.7248

Details

The XYZ color **47.4774, 47.0703, 80.7119** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **65.6167, 71.3500, 49.3448**, and the grayscale version is **45.0054, 47.3492, 51.5633**.

A 20% lighter version of the original color is **80.0404, 83.7049, 106.5458**, and **22.7399, 22.1178, 42.6058** is the 20% darker color. If you saturate the color by 10%, you get **39.1822, 37.3084, 79.2657**, and if you desaturate by 10%, it is **57.2060, 58.4112, 82.3889**.

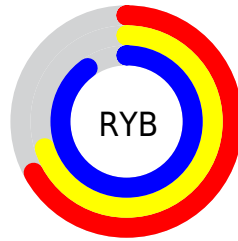
Distribution



Red (67%)

Green (71%)

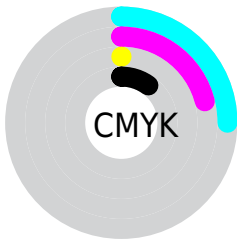
Blue (90%)



Red (67%)

Yellow (70%)

Blue (90%)

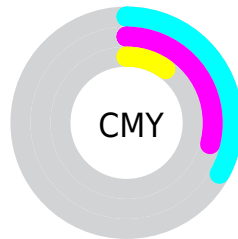


Cyan (25%)

Magenta (21%)

Yellow (0%)

Black (10%)



Cyan (33%)

Magenta (29%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.4774, 47.0703, 80.7119 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 47.4774, 47.0703, 80.7119 by changing the saturation by 10% instead.

■ 47.4774, 47.0703,
80.7119

■ 47.4774, 47.0703,
80.7119

367.3341,
375.0951, 517.0987

■ 33.6227, 33.0912,
59.7747

■ 85.6402, 85.8185,
136.1866

■ 22.7654, 22.1963,
42.8130

110.6791,
111.3565, 171.5612

■ 14.5402, 14.0012,
29.4081

140.1767,
141.5162, 212.5854

■ 8.5815, 8.1215,
19.1415

174.4985,
176.6821, 259.6777

■ 4.5241, 4.1728,
11.5947

214.0098,
217.2386, 313.2566

■ 2.0027, 1.7707,
6.3492

259.0759,

■ 0.6355, 0.4688,

263.5699, 373.7407

2.9864

310.0622,
316.0606, 441.5485

■ 0.0000, 0.0000,
1.0877

■ 0.0000, 0.0000,
0.0000

■ 47.4774, 47.0703,
80.7119

■ 47.4774, 47.0703,
80.7119

■ 39.1822, 37.3084,
79.2657

■ 57.2060, 58.4112,
82.3889

■ 32.2479, 29.0497,
78.0371

■ 68.4271, 71.3912,
84.3029

■ 26.6022, 22.2205,
77.0164

■ 81.2017, 86.0744,
86.4638

■ 22.1644, 16.7384,
76.1922

■ 91.1430, 98.4372,
88.3261

■ 18.8445, 12.5126,
75.5515

■ 16.5394, 9.4409,
75.0801

■ 15.1257, 7.4037,
74.7614

■ 14.6634, 6.6980,
74.6495

Harmonies

Analogous

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



42.7080, 47.0703, 81.3597



47.4774, 47.0703, 80.7119



51.7922, 47.0703, 71.3397

Triad

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



47.4774, 47.0703, 80.7119



51.2918, 47.0703, 34.3319



36.3802, 47.0703, 45.5689

Complementary

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



47.4774, 47.0703, 80.7119



65.6167, 71.3500, 49.3448

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.



38.3569, 47.0703, 35.3400



47.4774, 47.0703, 80.7119



46.8332, 47.0703, 29.6727

Square

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



47.4774, 47.0703, 80.7119



54.0995, 47.0703, 43.9415



42.1078, 47.0703, 30.0055



36.5256, 47.0703, 59.3304

Rectangle

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



47.4774, 47.0703, 80.7119



53.7289, 47.0703, 62.2154



42.1078, 47.0703, 30.0055



36.8122, 47.0703, 41.6579

Sweetspot

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



47.4789, 47.0722, 80.7130



84.0839, 87.3679, 107.0397



58.0117, 70.0015, 78.4781



17.8049, 18.4780, 22.8781



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.



47.4789, 47.0722, 80.7130



54.7739, 53.2419, 101.9976



50.6223, 46.3636, 80.4105



13.7452, 14.2118, 18.1630



8.4350, 3.9321, 42.6976



0.6752, 0.3944, 3.1725

Inverse Universe

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



55.3051, 49.4598, 49.8138



66.4712, 56.9846, 55.7754



61.7754, 72.5808, 49.7848



14.4590, 14.4008, 15.3514



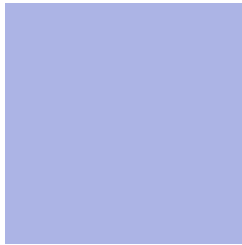
18.6511, 9.5947, 1.7918



1.4045, 0.7195, 0.2704

Previews

White Background



This preview shows how the XYZ color 47.4774, 47.0703, 80.7119 looks on a white background.

Color Contrast Check

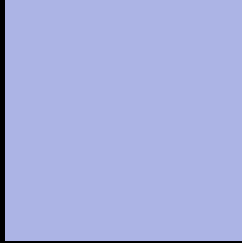
Large Text (above 18pt) WCAG AA × Fail

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 47.4774, 47.0703, 80.7119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

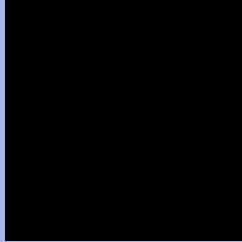
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.4774, 47.0703, 80.7119

Background



This preview shows how black text looks on a background with the XYZ color 47.4774, 47.0703, 80.7119.



This preview shows how white text looks on a background with the XYZ color 47.4774, 47.0703,

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

47.4774, 47.0703, 80.7119

Protanopia

47.0417, 46.8457, 80.6915

Deuteranopia

48.1675, 47.1274, 80.6866



Tritanopia

43.5002, 46.9750, 61.4180

Trichromacy



Original Color

47.4774, 47.0703, 80.7119

Protanomaly

47.2587, 46.9576, 80.7017

Deuteranomaly

47.9422, 47.0113, 80.6760

Tritanomaly

44.8398, 46.8950, 68.3163

Monochromacy



Original Color

47.4774, 47.0703, 80.7119

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.7437, 47.2097, 61.3450

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.4774, 47.0703, 80.7119 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(172, 180, 229)` looks like.

```
.text, #text, p{  
    color:rgb(172, 180, 229)  
}
```

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(172, 180, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 180, 229) }
```

Border

The CSS property to change the border of an element to XYZ 47.4774, 47.0703, 80.7119 is called "border". The border property can be set on classes, ids or directly on the HTML element.

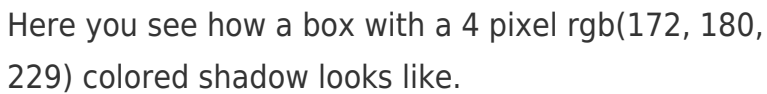
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(172, 180, 229) }
```


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

```
.border{ border-color:rgb(172, 180, 229) }
```

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



Here you see how a box with a 4 pixel rgb(172, 180, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 180, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 180, 229);  
box-shadow:4px 4px 4px 4px rgb(172, 180,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 47.4774, 47.0703, 80.7119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 180, 229) }
```

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

```
.background{ background-color: rgb(172,  
180, 229) }
```

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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