

# Converting Colors

XYZ(47.2182, 47.9717, 75.1774)

Have a look what the booklet for  
XYZ(47.2182, 47.9717, 75.1774)  
contains.

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# Color

**XYZ(47.2182, 47.9717,  
75.1774)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	ADB7DD
RGB	173, 183, 221
RGB Percent	68%, 72%, 87%
CMY	0.3216, 0.2823, 0.1333
CMYK	0.22, 0.17, 0.00, 0.13
HSL	227°, 41%, 77%
HSV	227°, 22%, 87%
XYZ	47.2182, 47.9717, 75.1774
YIQ	184.3420, -18.1580, 9.6980

# Conversions

## Conversions Part 2

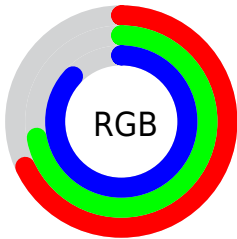
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 181, 221
Decimal	11384797
CIELab	74.81, 4.59, -20.20
CIELCh	75, 20.719, 282.796
Yxy	47.9717, 0.2772, 0.2816
Android (android.graphics.Color)	4289574877 (0xFFADB7DD)
YUV	184.3420, 18.0724, -9.9469
Hunter-Lab	69.2616, 0.4822, -15.8710

# Details

The XYZ color **47.2182, 47.9717, 75.1774** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **60.6563, 64.9778, 48.8814**, and the grayscale version is **45.6606, 48.0385, 52.3139**.

A 20% lighter version of the original color is **81.2296, 85.6110, 106.8511**, and **22.6113, 22.7115, 39.2684** is the 20% darker color. If you saturate the color by 10%, you get **39.3428, 38.8847, 73.8393**, and if you desaturate by 10%, it is **56.3535, 58.3764, 76.7050**.

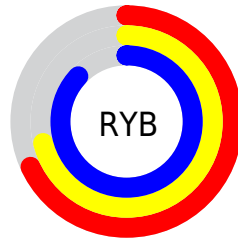
# Distribution



Red (68%)

Green (72%)

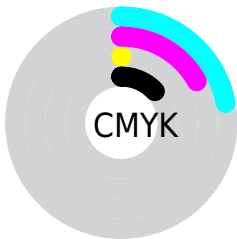
Blue (87%)



Red (68%)

Yellow (71%)

Blue (87%)

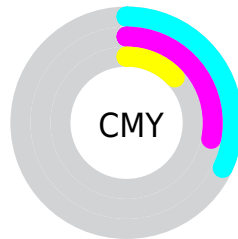


Cyan (22%)

Magenta (17%)

Yellow (0%)

Black (13%)



Cyan (32%)

Magenta (28%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.2182, 47.9717, 75.1774 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 47.2182, 47.9717, 75.1774 by changing the saturation by 10% instead.



■ 47.2182, 47.9717,  
75.1774

■ 47.2182, 47.9717,  
75.1774

366.3192,  
378.6799, 497.7988

■ 33.4169, 33.8045,  
55.2556

■ 85.2560, 87.1623,  
128.3129

■ 22.6067, 22.7434,  
39.2064

110.2232,  
112.9544, 162.3636

■ 14.4225, 14.4042,  
26.6113

139.6430,  
143.3903, 201.9611

■ 8.4988, 8.4023,  
17.0517

173.8808,  
178.8543, 247.5239

■ 4.4702, 4.3534,  
10.1090

213.3020,  
219.7309, 299.4705

■ 1.9714, 1.8732,  
5.3647

258.2718,

■ 0.6178, 0.5322,

266.4045, 358.2195

2.4004

309.1558,  
319.2593, 424.1894

■ 0.0000, 0.0000,  
0.7866

■ 0.0000, 0.0000,  
0.0000

■ 47.2182, 47.9717,  
75.1774

■ 47.2182, 47.9717,  
75.1774

■ 39.3428, 38.8847,  
73.8393

■ 56.3535, 58.3764,  
76.7050

■ 32.6666, 31.0563,  
72.6802

■ 66.7967, 70.1430,  
78.4258

■ 27.1308, 24.4315,  
71.6932

■ 78.5987, 83.3211,  
80.3474

■ 22.6694, 18.9488,  
70.8701

■ 89.4116, 96.7211,  
82.3639

■ 19.2095, 14.5410,  
70.2016

■ 90.0513, 98.0005,  
82.5772

■ 16.6689, 11.1333,  
69.6778

■ 14.9507, 8.6405,  
69.2872

■ 14.0303, 7.1785,  
69.0535

# Harmonies

## Analogous

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



43.4873, 47.9717, 74.6523



47.2182, 47.9717, 75.1774



50.6940, 47.9717, 68.9752

# Triad

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



47.2182, 47.9717, 75.1774



51.1179, 47.9717, 39.3731



39.0226, 47.9717, 46.3363

# Complementary

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



47.2182, 47.9717, 75.1774



60.6563, 64.9778, 48.8814

# 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.



40.8511, 47.9717, 38.4462



47.2182, 47.9717, 75.1774



47.7711, 47.9717, 34.8223

# Square

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



47.2182, 47.9717, 75.1774



53.0275, 47.9717, 47.7735



44.0107, 47.9717, 34.5081



38.8928, 47.9717, 56.9617



# Rectangle

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



47.2182, 47.9717, 75.1774



52.3435, 47.9717, 62.2986



44.0107, 47.9717, 34.5081



39.4542, 47.9717, 43.3146

# Sweetspot

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



47.2197, 47.9736, 75.1785



84.4418, 88.0837, 107.1590



54.7988, 65.2812, 71.0787



17.8875, 18.6432, 22.9057



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.



47.2197, 47.9736, 75.1785



60.2035, 60.4837, 103.1092



48.3916, 45.6232, 74.6630



12.5574, 13.0546, 16.5101



8.2165, 4.3024, 40.1358



0.5950, 0.4041, 2.6211



# Inverse Universe

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



53.3108, 48.6794, 51.3882



70.0949, 61.8150, 64.4345



59.2442, 68.0540, 49.5496



13.1665, 13.0957, 14.1379



17.6426, 9.0581, 2.4982

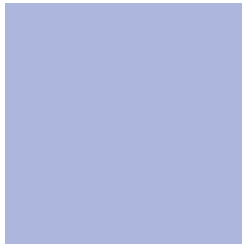


1.1746, 0.5995, 0.3285



# Previews

## White Background



This preview shows how the XYZ color 47.2182, 47.9717, 75.1774 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

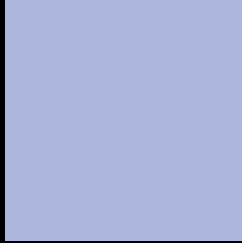
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.2182, 47.9717, 75.1774 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

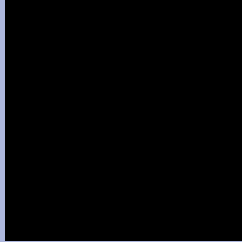
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.2182, 47.9717, 75.1774**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.2182, 47.9717, 75.1774.



This preview shows how white text looks on a background with the XYZ color 47.2182, 47.9717,



# 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

47.2182, 47.9717, 75.1774

### Protanopia

47.5507, 47.8533, 74.4406

### Deuteranopia

49.0345, 47.9837, 75.7846



## Tritanopia

44.4637, 47.7699, 62.1354

# Trichromacy



## Original Color

47.2182, 47.9717, 75.1774

## Protanomaly

47.3254, 47.7372, 74.4300

## Deuteranomaly

48.2991, 47.9054, 75.8083

## Tritanomaly

45.3117, 47.7980, 66.5123

# Monochromacy



## Original Color

47.2182, 47.9717, 75.1774

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

46.0409, 48.0155, 59.6646

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.2182, 47.9717, 75.1774 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(173, 183, 221)` looks like.

```
.text, #text, p{  
    color:rgb(173, 183, 221)  
}
```

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(173, 183, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 183, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 47.2182, 47.9717, 75.1774 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(173, 183, 221) }
```



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

```
.border{ border-color:rgb(173, 183, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 183, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 183, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 183, 221); box-shadow:4px 4px 4px 4px rgb(173, 183, 221) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.2182, 47.9717, 75.1774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 183, 221) }
```

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

```
.background{ background-color: rgb(173,  
183, 221) }
```

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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