

# Converting Colors

XYZ(51.7341, 49.4016, 71.6059)

Have a look what the booklet for  
XYZ(51.7341, 49.4016, 71.6059)  
contains.

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# Color

**XYZ(51.7419, 49.4707,  
71.7875)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C5B4D8
RGB	197, 180, 216
RGB Percent	77%, 71%, 85%
CMY	0.2274, 0.2941, 0.1529
CMYK	0.09, 0.17, 0.00, 0.15
HSL	268°, 32%, 78%
HSV	268°, 17%, 85%
XYZ	51.7419, 49.4707, 71.7875
YIQ	189.1870, -1.4240, 14.8000

# Conversions

## Conversions Part 2

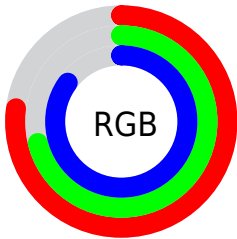
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 180, 216
Decimal	12956888
CIE <sub>Lab</sub>	75.74, 12.82, -15.89
CIE <sub>LCh</sub>	76, 20.417, 308.883
Yxy	49.4707, 0.2991, 0.2860
Android (android.graphics.Color)	4291146968 (0xFFC5B4D8)
YUV	189.1870, 13.2188, 6.8520
Hunter-Lab	70.3354, 8.2257, -11.2793

# Details

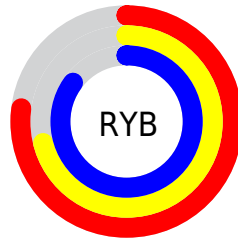
The XYZ color **51.7419, 49.4707, 71.7875** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **56.3490, 64.5504, 52.6719**, and the grayscale version is **48.4054, 50.9262, 55.4586**.

A 20% lighter version of the original color is **88.9185, 88.2817, 106.9613**, and **25.3501, 23.5916, 36.9358** is the 20% darker color. If you saturate the color by 10%, you get **44.8437, 39.9390, 70.3120**, and if you desaturate by 10%, it is **59.5484, 60.4820, 73.5022**.

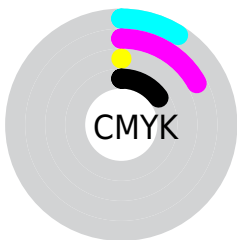
# Distribution



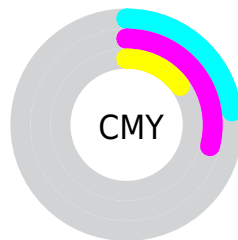
- Red (77%)
- Green (71%)
- Blue (85%)



- Red (77%)
- Yellow (71%)
- Blue (85%)



- Cyan (9%)
- Magenta (17%)
- Yellow (0%)
- Black (15%)



- Cyan (23%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.7419, 49.4707, 71.7875 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 51.7419, 49.4707, 71.7875 by changing the saturation by 10% instead.



■ 51.7419, 49.4707,  
71.7875

■ 51.7419, 49.4707,  
71.7875

383.7797,  
384.5924, 485.7593

■ 37.0228, 34.9930,  
52.4993

■ 91.9270, 89.3901,  
123.4593

■ 25.3989, 23.6575,  
37.0183

118.1237,  
115.6007, 156.6800

■ 16.5048, 15.0797,  
24.9257

148.8770,  
146.4910, 195.3819

■ 9.9752, 8.8754,  
15.8032

184.5522,  
182.4454, 239.9836

■ 5.4447, 4.6600,  
9.2322

225.5148,  
223.8484, 290.9037

■ 2.5479, 2.0492,  
4.7940

272.1299,

■ 0.9195, 0.6358,

271.0843, 348.5606

2.0703

324.7632,  
324.5375, 413.3730

■ 0.0000, 0.0000,  
0.5980

■ 0.0000, 0.0000,  
0.0000

■ 51.7419, 49.4707,  
71.7875

■ 51.7419, 49.4707,  
71.7875

■ 44.8437, 39.9390,  
70.3120

■ 59.5484, 60.4820,  
73.5022

■ 38.8129, 31.8153,  
69.0619

■ 68.2929, 73.0277,  
75.4629

■ 33.6121, 25.0314,  
68.0265

■ 78.0091, 87.1676,  
77.6801

■ 29.1991, 19.5106,  
67.1935

■ 84.9807, 95.4623,  
78.9137

■ 25.5274, 15.1685,  
66.5489

■ 89.0298, 97.5498,  
79.1032

■ 22.5450, 11.9095,  
66.0771

■ 89.3948, 97.7379,  
79.1203

■ 20.1920, 9.6226,  
65.7597

■ 18.3927, 8.1660,  
65.5734

■ 17.8736, 7.7824,  
65.5267

# Harmonies

## Analogous

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



48.1540, 49.4707, 77.2125



51.7419, 49.4707, 71.7875



54.1467, 49.4707, 61.7346

# Triad

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



51.7419, 49.4707, 71.7875



49.6934, 49.4707, 36.6568



40.1856, 49.4707, 57.1506

# Complementary

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



51.7419, 49.4707, 71.7875



56.3490, 64.5504, 52.6719

# 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.



40.5485, 49.4707, 46.6947



51.7419, 49.4707, 71.7875



45.9048, 49.4707, 35.7739

# Square

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



51.7419, 49.4707, 71.7875



52.9206, 49.4707, 41.8043



42.5953, 49.4707, 39.2056



41.5760, 49.4707, 68.0477



# Rectangle

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



51.7419, 49.4707, 71.7875



54.6843, 49.4707, 54.2729



42.5953, 49.4707, 39.2056



40.1083, 49.4707, 53.4596

# Sweetspot

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



51.7434, 49.4728, 71.7886



88.6840, 90.8791, 107.4750



51.6883, 55.6019, 72.9745



18.7966, 19.1874, 22.9628



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.



51.7434, 49.4728, 71.7886



71.6637, 66.9131, 103.7462



56.6830, 52.0192, 72.0198



12.2947, 12.2933, 15.6624



10.7019, 4.6695, 38.7904



0.7406, 0.3307, 2.3441



# Inverse Universe

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



54.9506, 51.3671, 61.0538



77.2451, 70.2106, 85.0215



51.8988, 62.2563, 52.4637



12.6944, 12.5292, 14.3308



18.6149, 9.3823, 10.5420



1.1645, 0.5826, 0.8554



# Previews

## White Background



This preview shows how the XYZ color 51.7419, 49.4707, 71.7875 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

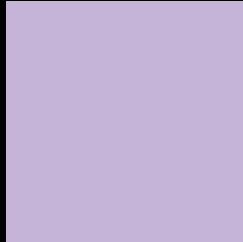
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.7419, 49.4707, 71.7875 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

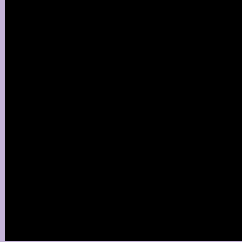
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 51.7419, 49.4707, 71.7875**

## **Background**



This preview shows how black text looks on a background with the XYZ color 51.7419, 49.4707, 71.7875.



This preview shows how white text looks on a background with the XYZ color 51.7419, 49.4707,



# 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

51.7419, 49.4707, 71.7875

### Protanopia

48.9575, 49.5157, 73.9950

### Deuteranopia

50.6085, 49.4901, 71.8509



## Tritanopia

49.3747, 49.4135, 60.3615

# Trichromacy



## Original Color

51.7419, 49.4707, 71.7875

## Protanomaly

49.8381, 49.3680, 73.2319

## Deuteranomaly

50.9109, 49.3431, 71.8066

## Tritanomaly

50.2531, 49.4658, 64.6568

# Monochromacy



## Original Color

51.7419, 49.4707, 71.7875

## Achromatopsia

48.3692, 50.8881, 55.4172

## Achromatomaly

49.6059, 50.4478, 61.1557

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.7419, 49.4707, 71.7875 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(197, 180, 216)` looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 216)  
}
```

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(197, 180, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 51.7419, 49.4707, 71.7875 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(197, 180, 216) }
```



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

```
.border{ border-color:rgb(197, 180, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 180, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 216);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.7419, 49.4707, 71.7875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 216) }
```

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

```
.background{ background-color: rgb(197,  
180, 216) }
```

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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