

# Converting Colors

XYZ(33.5165, 29.7205, 47.7131)

Have a look what the booklet for  
XYZ(33.5165, 29.7205, 47.7131)  
contains.

<b>XYZ(33.5774, 29.8380, 47.7056)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(33.5774, 29.8380,  
47.7056)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A88AB5
RGB	168, 138, 181
RGB Percent	66%, 54%, 71%
CMY	0.3412, 0.4588, 0.2902
CMYK	0.07, 0.24, 0.00, 0.29
HSL	282°, 23%, 63%
HSV	282°, 24%, 71%
XYZ	33.5774, 29.8380, 47.7056
YIQ	151.8720, 4.0770, 19.7330

# Conversions

## Conversions Part 2

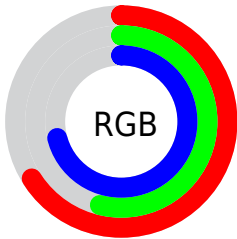
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	168, 138, 181
Decimal	11045557
CIE <sub>Lab</sub>	61.51, 19.35, -18.26
CIE <sub>LCh</sub>	62, 26.601, 316.658
Yxy	29.8380, 0.3022, 0.2685
Android (android.graphics.Color)	4289235637 (0xFFA88AB5)
YUV	151.8720, 14.3601, 14.1443
Hunter-Lab	54.6242, 14.1314, -13.5435

# Details

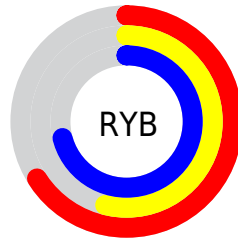
The XYZ color **33.5774, 29.8380, 47.7056** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.8749, 41.4628, 30.2639**, and the grayscale version is **29.7295, 31.2777, 34.0614**.

A 20% lighter version of the original color is **64.5671, 59.5017, 88.2027**, and **14.5885, 12.2510, 22.0179** is the 20% darker color. If you saturate the color by 10%, you get **30.0535, 24.4829, 46.8582**, and if you desaturate by 10%, it is **37.5850, 36.0864, 48.7009**.

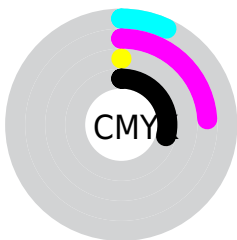
# Distribution



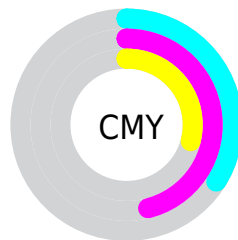
- Red (66%)
- Green (54%)
- Blue (71%)



- Red (66%)
- Yellow (54%)
- Blue (71%)



- Cyan (7%)
- Magenta (24%)
- Yellow (0%)
- Black (29%)



- Cyan (34%)
- Magenta (46%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5774, 29.8380, 47.7056 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 33.5774, 29.8380, 47.7056 by changing the saturation by 10% instead.



■ 33.5774, 29.8380,  
47.7056

■ 33.5774, 29.8380,  
47.7056

309.8627,  
301.1486, 394.0990

■ 22.7305, 19.7157,  
33.2355

■ 64.6246, 59.4059,  
88.1269

■ 14.5142, 12.1885,  
22.0343

■ 85.5556, 79.6202,  
114.9151

■ 8.5633, 6.8722,  
13.6835

■ 110.5787,  
103.9674, 146.6465

■ 4.5122, 3.3823,  
7.7647

140.0592,  
132.8317, 183.7395

■ 1.9958, 1.3344,  
3.8591

174.3625,  
166.5975, 226.6127

■ 0.6316, 0.1676,  
1.5484

213.8540,

■ 0.0000, 0.0000,

205.6494, 275.6847

0.2536

258.8989,  
250.3716, 331.3739

■ 0.0000, 0.0000,  
0.0000

■ 33.5774, 29.8380,  
47.7056

■ 33.5774, 29.8380,  
47.7056

■ 30.0535, 24.4829,  
46.8582

■ 37.5850, 36.0864,  
48.7009

■ 26.9884, 19.9742,  
46.1494

■ 42.0940, 43.2645,  
49.8488

■ 24.3592, 16.2663,  
45.5723

■ 47.1245, 51.4112,  
51.1561

■ 22.1397, 13.3078,  
45.1182

■ 52.6949, 60.5623,  
52.6288

■ 20.3007, 11.0410,  
44.7776

■ 58.8224, 70.7514,  
54.2726

18.8086, 9.3997,  
44.5395

65.5235, 82.0106,  
56.0927

17.6230, 8.3044,  
44.3905

69.6395, 88.0221,  
57.0360

16.9858, 7.7930,  
44.3254

71.1884, 88.8205,  
57.1085

72.7907, 89.6465,  
57.1835

# Harmonies

## Analogous

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



30.3466, 29.8380, 54.8438



33.5774, 29.8380, 47.7056



35.4750, 29.8380, 37.1740

# Triad

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



33.5774, 29.8380, 47.7056



29.9522, 29.8380, 17.0319



22.3529, 29.8380, 38.3731

# Complementary

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



33.5774, 29.8380, 47.7056



33.8749, 41.4628, 30.2639

# 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.



22.2664, 29.8380, 28.2143



33.5774, 29.8380, 47.7056



26.4623, 29.8380, 17.2215

# Square

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



33.5774, 29.8380, 47.7056



33.2681, 29.8380, 20.3233



23.7134, 29.8380, 20.9095



23.9603, 29.8380, 48.7387



# Rectangle

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



33.5774, 29.8380, 47.7056



35.6345, 29.8380, 30.2906



23.7134, 29.8380, 20.9095



22.1499, 29.8380, 34.7902

# Sweetspot

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



33.5783, 29.8393, 47.7063



72.5714, 72.9729, 88.5549



29.9890, 31.0730, 48.1336



15.5821, 15.6074, 19.1135



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5783, 29.8393, 47.7063



56.4176, 47.7545, 84.5386



35.6995, 31.0236, 43.7016



8.5950, 8.5152, 10.6969



11.7823, 5.4098, 30.5602



0.4265, 0.1990, 0.9642



# Inverse Universe

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



33.7314, 30.2364, 33.3379



56.8525, 48.6665, 53.4866



32.1854, 40.5235, 33.2734



8.5986, 8.5462, 9.3847



13.6351, 6.9716, 3.2384

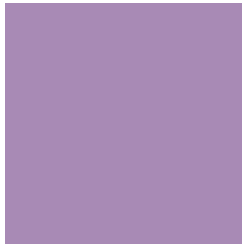


0.4556, 0.2300, 0.2418



# Previews

## White Background



This preview shows how the XYZ color 33.5774, 29.8380, 47.7056 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

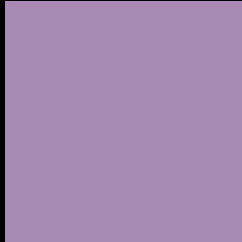
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5774, 29.8380, 47.7056 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 × Fail

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

**XYZ 33.5774, 29.8380, 47.7056**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5774, 29.8380, 47.7056.



This preview shows how white text looks on a background with the XYZ color 33.5774, 29.8380,



# 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

33.5774, 29.8380, 47.7056

### Protanopia

30.0508, 29.9443, 51.2097

### Deuteranopia

30.5764, 29.8420, 47.3285



## Tritanopia

30.9650, 29.8705, 34.7054

# Trichromacy



## Original Color

33.5774, 29.8380, 47.7056

## Protanomaly

31.3079, 29.9333, 50.0265

## Deuteranomaly

31.4288, 29.6099, 47.2388

## Tritanomaly

31.7428, 29.7294, 39.1873

# Monochromacy



## Original Color

33.5774, 29.8380, 47.7056

## Achromatopsia

29.8446, 31.3989, 34.1934

## Achromatomaly

31.1451, 30.7809, 38.9501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5774, 29.8380, 47.7056 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(168, 138, 181)` looks like.

```
.text, #text, p{  
    color:rgb(168, 138, 181)  
}
```

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(168, 138, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 138, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5774, 29.8380, 47.7056 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(168, 138, 181) }
```



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

```
.border{ border-color:rgb(168, 138, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 138, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 138, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 138, 181);  
box-shadow:4px 4px 4px 4px rgb(168, 138,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5774, 29.8380, 47.7056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 138, 181) }
```

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

```
.background{ background-color: rgb(168,  
138, 181) }
```

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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