

# Converting Colors

XYZ(28.7981, 24.2038, 30.8353)

Have a look what the booklet for  
XYZ(28.7981, 24.2038, 30.8353)  
contains.

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# Color

**XYZ(28.7775, 24.1975,  
30.7576)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB7893
RGB	171, 120, 147
RGB Percent	67%, 47%, 58%
CMY	0.3294, 0.5294, 0.4235
CMYK	0.00, 0.30, 0.14, 0.33
HSL	328°, 23%, 57%
HSV	328°, 30%, 67%
XYZ	28.7775, 24.1975, 30.7576
YIQ	138.3270, 21.7290, 19.2090

# Conversions

## Conversions Part 2

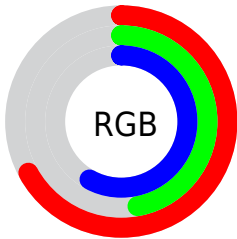
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 120, 147
Decimal	11237523
CIE <sub>Lab</sub>	56.28, 24.17, -6.60
CIE <sub>LCh</sub>	56, 25.055, 344.730
Yxy	24.1975, 0.3437, 0.2890
Android (android.graphics.Color)	4289427603 (0xFFAB7893)
YUV	138.3270, 4.2758, 28.6542
Hunter-Lab	49.1910, 18.3412, -2.6386

# Details

The XYZ color **28.7775, 24.1975, 30.7576** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **27.3437, 35.1331, 31.7274**, and the grayscale version is **24.2613, 25.5248, 27.7965**.

A 20% lighter version of the original color is **57.1647, 50.4351, 61.9804**, and **11.8358, 9.2026, 12.2188** is the 20% darker color. If you saturate the color by 10%, you get **26.2922, 20.2022, 26.9218**, and if you desaturate by 10%, it is **31.6757, 28.9472, 34.9495**.

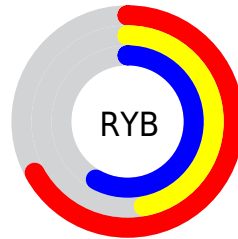
# Distribution



Red (67%)

Green (47%)

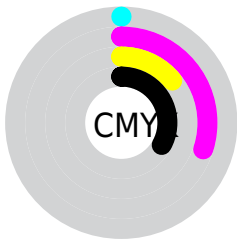
Blue (58%)



Red (67%)

Yellow (47%)

Blue (58%)

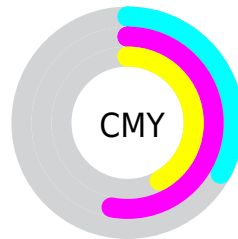


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (33%)



Cyan (33%)

Magenta (53%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7775, 24.1975, 30.7576 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 28.7775, 24.1975, 30.7576 by changing the saturation by 10% instead.



■ 28.7775, 24.1975,  
30.7576

■ 28.7775, 24.1975,  
30.7576

288.1769,  
273.8175, 319.7366

■ 19.0560, 15.4802,  
20.1574

■ 57.1234, 50.3523,  
61.9333

■ 11.8150, 9.1571,  
12.3243

■ 76.4785, 68.5586,  
83.3460

■ 6.6891, 4.8438,  
6.8397

■ 99.7755, 90.6966,  
109.1998

■ 3.3130, 2.1559,  
3.2852

127.3798,  
117.1509, 139.9135

■ 1.3214, 0.6958,  
1.2420

159.6568,  
148.3057, 175.9054

■ 0.1991, 0.0000,  
0.0135

196.9717,

■ 0.0000, 0.0000,

184.5454, 217.5942

0.0000

239.6899,  
226.2546, 265.3984

■ 28.7775, 24.1975,  
30.7576

■ 28.7775, 24.1975,  
30.7576

■ 26.2922, 20.2022,  
26.9218

■ 31.6757, 28.9472,  
34.9495

■ 24.1972, 16.9185,  
23.4295

■ 35.0035, 34.4846,  
39.5067

■ 22.4709, 14.3044,  
20.2690

■ 38.7796, 40.8448,  
44.4398

■ 21.0887, 12.3122,  
17.4275

■ 43.0205, 48.0600,  
49.7583

■ 20.0226, 10.8876,  
14.8908

■ 47.7422, 56.1606,  
55.4716

■ 19.2400, 9.9669,  
12.6429

■ 52.9596, 65.1754,  
61.5885

■ 18.6720, 9.4142,  
10.6555

■ 58.6873, 75.1322,  
68.1176

■ 18.6625, 9.4051,  
10.6220

■ 64.3605, 84.9003,  
74.8744

■ 65.3974, 85.3151,  
80.3351

# Harmonies

## Analogous

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



27.1289, 24.1975, 39.3251



28.7775, 24.1975, 30.7576



28.7932, 24.1975, 22.5098

# Triad

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



28.7775, 24.1975, 30.7576



21.6169, 24.1975, 13.7733



19.2781, 24.1975, 39.1867

# Complementary

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



28.7775, 24.1975, 30.7576



27.3437, 35.1331, 31.7274

# 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.



18.0394, 24.1975, 30.5972



28.7775, 24.1975, 30.7576



19.3110, 24.1975, 16.5935

# Square

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



28.7775, 24.1975, 30.7576



24.4915, 24.1975, 13.7985



18.0510, 24.1975, 22.3795



21.5684, 24.1975, 44.8414



# Rectangle

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



28.7775, 24.1975, 30.7576



27.8670, 24.1975, 18.2915



18.0510, 24.1975, 22.3795



18.7337, 24.1975, 36.4761

# Sweetspot

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



28.7782, 24.1986, 30.7581



63.1124, 62.4687, 71.3189



25.5349, 22.2858, 41.4840



13.8731, 13.5938, 15.6354



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



28.7782, 24.1986, 30.7581



48.4283, 38.3189, 50.3362



27.0062, 23.4898, 21.4271



8.1757, 8.0835, 9.2362



14.0955, 7.1008, 8.1486



0.4195, 0.2085, 0.3708



# Inverse Universe

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



28.7782, 24.1986, 30.7581



48.4283, 38.3189, 50.3362



29.4990, 35.9952, 43.0772



8.1757, 8.0835, 9.2362



14.0955, 7.1008, 8.1486

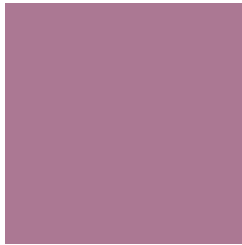


0.4195, 0.2085, 0.3708



# Previews

## White Background



This preview shows how the XYZ color 28.7775, 24.1975, 30.7576 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

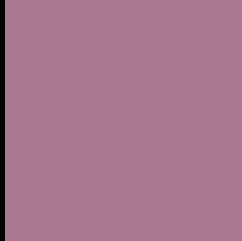
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.7775, 24.1975, 30.7576 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 28.7775, 24.1975, 30.7576**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.7775, 24.1975, 30.7576.



This preview shows how white text looks on a background with the XYZ color 28.7775, 24.1975,

30.7576.

# 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

28.7775, 24.1975, 30.7576

### Protanopia

23.8859, 24.2758, 34.8793

### Deuteranopia

24.7287, 24.2062, 30.1570



## Tritanopia

27.6100, 24.2669, 25.0586

# Trichromacy



## Original Color

28.7775, 24.1975, 30.7576

## Protanomaly

25.4541, 24.1114, 33.4494

## Deuteranomaly

26.1041, 24.1241, 30.4747

## Tritanomaly

28.0525, 24.2713, 26.8732

# Monochromacy



## Original Color

28.7775, 24.1975, 30.7576

## Achromatopsia

24.1572, 25.4152, 27.6772

## Achromatomaly

25.5017, 24.6397, 28.6112

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.7775, 24.1975, 30.7576 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(171, 120, 147)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 147)  
}
```

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(171, 120, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 147) }
```

## Border

The CSS property to change the border of an element to XYZ 28.7775, 24.1975, 30.7576 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(171, 120, 147) }
```



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

```
.border{ border-color:rgb(171, 120, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 147);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
147) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.7775, 24.1975, 30.7576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 147) }
```

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

```
.background{ background-color: rgb(171,  
120, 147) }
```

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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