

Converting Colors

XYZ(27.8431, 21.7996, 29.1068)

Have a look what the booklet for
XYZ(27.8431, 21.7996, 29.1068)
contains.

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Color

**XYZ(27.8522, 21.7374,
29.1133)**

Conversions

Conversions Part 1

Format	Color
Hex	AE6C90
RGB	174, 108, 144
RGB Percent	68%, 42%, 56%
CMY	0.3176, 0.5765, 0.4353
CMYK	0.00, 0.38, 0.17, 0.32
HSL	327°, 29%, 55%
HSV	327°, 38%, 68%
XYZ	27.8522, 21.7374, 29.1133
YIQ	131.8380, 27.7800, 25.1880

Conversions

Conversions Part 2

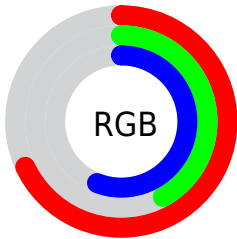
Format	Color
R_{YB}	174, 108, 144
Decimal	11431056
CIE _{Lab}	53.75, 31.47, -8.59
CIE _{LCh}	54, 32.623, 344.728
Y _{xy}	21.7374, 0.3539, 0.2762
Android (android.graphics.Color)	4289621136 (0xFFAE6C90)
YUV	131.8380, 5.9959, 36.9761
Hunter-Lab	46.6234, 25.0426, -4.3864

Details

The XYZ color **27.8522, 21.7374, 29.1133** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.9088, 35.2959, 29.4937**, and the grayscale version is **21.8464, 22.9842, 25.0297**.

A 20% lighter version of the original color is **55.8929, 46.5559, 59.4664**, and **11.3301, 7.9292, 11.5230** is the 20% darker color. If you saturate the color by 10%, you get **25.6135, 18.1936, 25.4882**, and if you desaturate by 10%, it is **30.5008, 26.0326, 33.0845**.

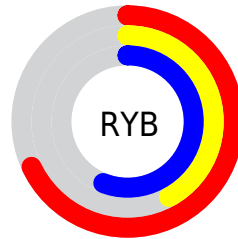
Distribution



Red (68%)

Green (42%)

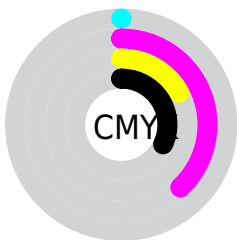
Blue (56%)



Red (68%)

Yellow (42%)

Blue (56%)

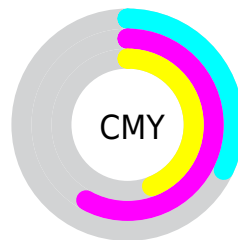


Cyan (0%)

Magenta (38%)

Yellow (17%)

Black (32%)



Cyan (32%)


Magenta (58%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8522, 21.7374, 29.1133 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 27.8522, 21.7374, 29.1133 by changing the saturation by 10% instead.

 27.8522, 21.7374,
29.1133


 27.8522, 21.7374,
29.1133


283.8529,
261.1718, 311.8268


 18.3542, 13.6641,
18.9202


 55.6587, 46.3116,
59.3014


 11.3058, 7.8874,
11.4364


 74.6978, 63.5812,
80.1335

 6.3417, 4.0230,
6.2433


 97.6481, 84.6851,
105.3490

 3.0966, 1.6864,
2.9224

 124.8747,
110.0076, 135.3665

 1.2050, 0.4148,
1.0552

156.7432,
139.9332, 170.6044

 0.1103, 0.0000,
0.0000

193.6188,

 0.0000, 0.0000,

174.8461, 211.4815

0.0000

235.8669,
215.1309, 258.4161

■ 27.8522, 21.7374,
29.1133

■ 27.8522, 21.7374,
29.1133

■ 25.6135, 18.1936,
25.4882

■ 30.5008, 26.0326,
33.0845

■ 23.7600, 15.3540,
22.1961

■ 33.5783, 31.1168,
37.4115

■ 22.2671, 13.1708,
19.2245

■ 37.1047, 37.0284,
42.1053

■ 21.1067, 11.5889,
16.5596

■ 41.0984, 43.8027,
47.1759

■ 20.2457, 10.5439,
14.1857

■ 45.5764, 51.4728,
52.6328

■ 19.6313, 9.9316,
12.0802

■ 50.5550, 60.0701,
58.4851

■ 19.5170, 9.8233,
11.6713

■ 56.0498, 69.6244,
64.7417

■ 62.0756, 80.1642,
71.4109

■ 65.5055, 85.4347,
77.4540

Harmonies

Analogous

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



25.7648, 21.7374, 40.1608



27.8522, 21.7374, 29.1133



27.8724, 21.7374, 19.1011

Triad

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



27.8522, 21.7374, 29.1133



18.9975, 21.7374, 9.4989



16.2412, 21.7374, 39.9773

Complementary

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



27.8522, 21.7374, 29.1133



25.9088, 35.2959, 29.4937

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.



14.8145, 21.7374, 28.9112



27.8522, 21.7374, 29.1133



16.2796, 21.7374, 12.4512

Square

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



27.8522, 21.7374, 29.1133



22.4835, 21.7374, 9.5247



14.8278, 21.7374, 18.9485



18.9393, 21.7374, 47.5384

Rectangle

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



27.8522, 21.7374, 29.1133



26.6963, 21.7374, 14.3032



14.8278, 21.7374, 18.9485



15.6112, 21.7374, 36.4254

Sweetspot

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



27.8528, 21.7384, 29.1137



65.1232, 63.4943, 73.5195



23.4352, 19.1600, 42.5079



14.2836, 13.7922, 16.0880



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.8528, 21.7384, 29.1137



46.8772, 33.6527, 46.9352



25.7048, 20.8792, 17.8021



8.1811, 8.0857, 9.2644



14.1859, 7.1369, 8.6244



0.4218, 0.2094, 0.3828

Inverse Universe

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



27.8528, 21.7384, 29.1137



46.8772, 33.6527, 46.9352



28.6433, 36.3897, 43.8931



8.1811, 8.0857, 9.2644



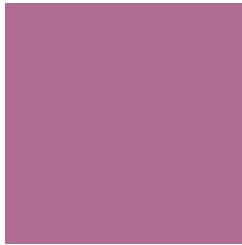
14.1859, 7.1369, 8.6244



0.4218, 0.2094, 0.3828

Previews

White Background



This preview shows how the XYZ color 27.8522, 21.7374, 29.1133 looks on a white background.

Color Contrast Check

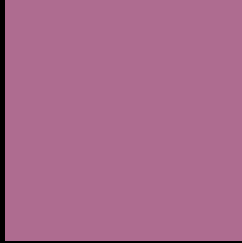
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8522, 21.7374, 29.1133 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 27.8522, 21.7374, 29.1133

Background



This preview shows how black text looks on a background with the XYZ color 27.8522, 21.7374, 29.1133.



This preview shows how white text looks on a background with the XYZ color 27.8522, 21.7374,

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

27.8522, 21.7374, 29.1133

Protanopia

21.8310, 22.0102, 34.9961

Deuteranopia

22.2947, 21.8246, 28.2368



Tritanopia

26.0399, 21.6267, 20.8911

Trichromacy



Original Color

27.8522, 21.7374, 29.1133

Protanomaly

23.4894, 21.6045, 32.6378

Deuteranomaly

24.0570, 21.6307, 28.4984

Tritanomaly

26.6601, 21.7245, 23.5570

Monochromacy



Original Color

27.8522, 21.7374, 29.1133

Achromatopsia

21.9318, 23.0740, 25.1276

Achromatomaly

23.5595, 22.1465, 26.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8522, 21.7374, 29.1133 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(174, 108, 144)` looks like.

```
.text, #text, p{  
    color:rgb(174, 108, 144)  
}
```

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(174, 108, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 108, 144) }
```

Border

The CSS property to change the border of an element to XYZ 27.8522, 21.7374, 29.1133 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(174, 108, 144) }
```


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

```
.border{ border-color:rgb(174, 108, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 108, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 108, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 108, 144);  
box-shadow:4px 4px 4px 4px rgb(174, 108,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8522, 21.7374, 29.1133 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 108, 144) }
```

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

```
.background{ background-color: rgb(174,  
108, 144) }
```

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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