

# Converting Colors

XYZ(26.8459, 21.8275, 26.8568)

Have a look what the booklet for  
XYZ(26.8459, 21.8275, 26.8568)  
contains.

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# Color

**XYZ(26.8494, 21.7499,  
26.8278)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AA6F8A
RGB	170, 111, 138
RGB Percent	67%, 44%, 54%
CMY	0.3333, 0.5647, 0.4588
CMYK	0.00, 0.35, 0.19, 0.33
HSL	333°, 26%, 55%
HSV	333°, 35%, 67%
XYZ	26.8494, 21.7499, 26.8278
YIQ	131.7190, 26.4970, 20.9050

# Conversions

## Conversions Part 2

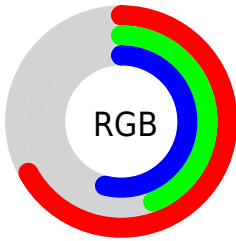
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	170, 111, 138
Decimal	11169674
CIE <sub>Lab</sub>	53.76, 27.38, -5.11
CIE <sub>LCh</sub>	54, 27.851, 349.436
Y <sub>xy</sub>	21.7499, 0.3560, 0.2884
Android (android.graphics.Color)	4289359754 (0xFFAA6F8A)
YUV	131.7190, 3.0965, 33.5724
Hunter-Lab	46.6368, 21.1504, -1.4608

# Details

The XYZ color **26.8494, 21.7499, 26.8278** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.8891, 34.1126, 31.2080**, and the grayscale version is **21.8141, 22.9501, 24.9927**.

A 20% lighter version of the original color is **53.8652, 46.1247, 55.3542**, and **10.8202, 7.9317, 10.1932** is the 20% darker color. If you saturate the color by 10%, you get **24.5285, 18.1314, 22.8992**, and if you desaturate by 10%, it is **29.5812, 26.0991, 31.1736**.

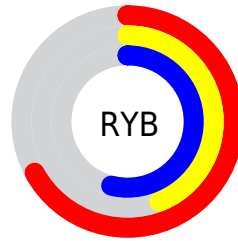
# Distribution



Red (67%)

Green (44%)

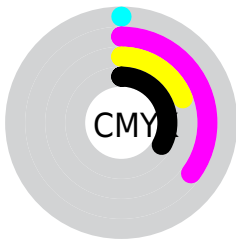
Blue (54%)



Red (67%)

Yellow (44%)

Blue (54%)

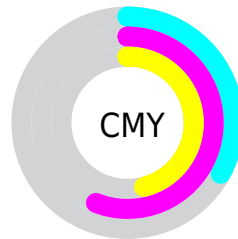


Cyan (0%)

Magenta (35%)

Yellow (19%)

Black (33%)



Cyan (33%)

Magenta (56%)


Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8494, 21.7499, 26.8278 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 26.8494, 21.7499, 26.8278 by changing the saturation by 10% instead.




 26.8494, 21.7499,  
26.8278


 26.8494, 21.7499,  
26.8278


279.1081,  
261.2374, 300.5561


 17.5962, 13.6732,  
17.2126


 54.0637, 46.3323,  
55.6078


 10.7584, 7.8938,  
10.2227


 72.7555, 63.6068,  
75.6097

 5.9707, 4.0270,  
5.4393


 95.3241, 84.7161,  
99.9110

 2.8678, 1.6887,  
2.4440

 122.1350,  
110.0445, 128.9301

 1.0842, 0.4163,  
0.8103

153.5535,  
139.9764, 163.0856

 0.0119, 0.0000,  
0.0000

189.9449,

 0.0000, 0.0000,

174.8963, 202.7961

0.0000

231.6747,  
215.1885, 248.4801

■ 26.8494, 21.7499,  
26.8278

■ 26.8494, 21.7499,  
26.8278

■ 24.5285, 18.1314,  
22.8992

■ 29.5812, 26.0991,  
31.1736

■ 22.5952, 15.1998,  
19.3723

■ 32.7420, 31.2135,  
35.9484

■ 21.0266, 12.9114,  
16.2325


■ 36.3508, 37.1291,  
41.1654


■ 19.7964, 11.2160,  
13.4636


■ 40.4251, 43.8787,  
46.8366


■ 18.8743, 10.0559,  
11.0477


■ 44.9813, 51.4931,  
52.9735


 18.2242, 9.3611,  
8.9645

 50.0350, 60.0017,  
59.5872

 17.9453, 9.0931,  
7.9780

 55.6012, 69.4324,  
66.6884

 61.6941, 79.8121,  
74.2874

 65.3872, 85.2859,  
81.4140

# Harmonies

## Analogous

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



25.3508, 21.7499, 36.0720



26.8494, 21.7499, 26.8278



26.5765, 21.7499, 18.6186

# Triad

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



26.8494, 21.7499, 26.8278



18.8195, 21.7499, 11.3092



17.1576, 21.7499, 38.5072

# Complementary

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



26.8494, 21.7499, 26.8278



25.8891, 34.1126, 31.2080

# 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.



15.7150, 21.7499, 29.5889



26.8494, 21.7499, 26.8278



16.6086, 21.7499, 14.5138

# Square

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



26.8494, 21.7499, 26.8278



21.7437, 21.7499, 10.9115



15.5242, 21.7499, 20.7922



19.6373, 21.7499, 43.8153



# Rectangle

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



26.8494, 21.7499, 26.8278



25.4341, 21.7499, 14.6935



15.5242, 21.7499, 20.7922



16.5459, 21.7499, 35.7447

# Sweetspot

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



26.8500, 21.7509, 26.8282



62.2651, 61.3035, 69.4042



24.1766, 20.0645, 40.6289



13.6890, 13.3494, 15.1921



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.



26.8500, 21.7509, 26.8282



45.2659, 34.0726, 42.8744



25.3490, 21.4976, 17.8536



7.6685, 7.5973, 8.5716



13.2283, 6.7000, 6.0136



0.3478, 0.1734, 0.2832



# Inverse Universe

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



26.8500, 21.7509, 26.8282



45.2659, 34.0726, 42.8744



27.8207, 34.2998, 43.1845



7.6685, 7.5973, 8.5716



13.2283, 6.7000, 6.0136

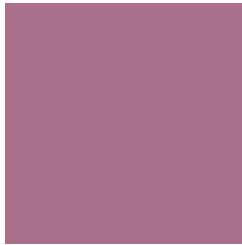


0.3478, 0.1734, 0.2832



# Previews

## White Background



This preview shows how the XYZ color 26.8494, 21.7499, 26.8278 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

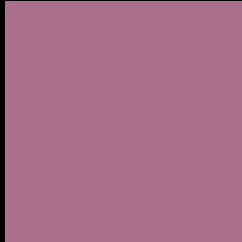
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.8494, 21.7499, 26.8278 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

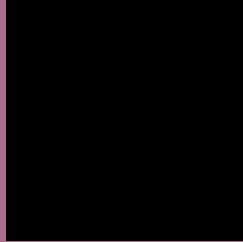
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 26.8494, 21.7499, 26.8278**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.8494, 21.7499, 26.8278.



This preview shows how white text looks on a background with the XYZ color 26.8494, 21.7499,



# 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

26.8494, 21.7499, 26.8278

### Protanopia

21.6014, 21.9682, 31.5355

### Deuteranopia

22.1880, 21.8198, 25.9639



## Tritanopia

25.6786, 21.7646, 21.2599

# Trichromacy



## Original Color

26.8494, 21.7499, 26.8278

## Protanomaly

23.0549, 21.6261, 29.7472

## Deuteranomaly

23.7381, 21.6945, 26.2289

## Tritanomaly

26.1636, 21.8038, 23.2517

# Monochromacy



## Original Color

26.8494, 21.7499, 26.8278

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.3648, 22.2475, 25.6170

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.8494, 21.7499, 26.8278 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(170, 111, 138)` looks like.

```
.text, #text, p{  
    color:rgb(170, 111, 138)  
}
```

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(170, 111, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 111, 138) }
```

## Border

The CSS property to change the border of an element to XYZ 26.8494, 21.7499, 26.8278 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(170, 111, 138) }
```



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

```
.border{ border-color:rgb(170, 111, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 111, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 111, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 111, 138);  
box-shadow:4px 4px 4px 4px rgb(170, 111,  
138) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.8494, 21.7499, 26.8278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 111, 138) }
```

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

```
.background{ background-color: rgb(170,  
111, 138) }
```

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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