

# Converting Colors

XYZ(22.6547, 16.9879, 21.9083)

Have a look what the booklet for  
XYZ(22.6547, 16.9879, 21.9083)  
contains.

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# Color

**XYZ(22.7845, 17.1216,  
21.8426)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A35D7E
RGB	163, 93, 126
RGB Percent	64%, 36%, 49%
CMY	0.3608, 0.6353, 0.5059
CMYK	0.00, 0.43, 0.23, 0.36
HSL	332°, 28%, 50%
HSV	332°, 43%, 64%
XYZ	22.7845, 17.1216, 21.8426
YIQ	117.6920, 31.1270, 25.1030

# Conversions

## Conversions Part 2

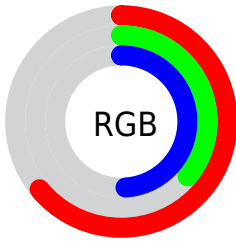
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 93, 126
Decimal	10706302
CIELab	48.41, 32.96, -6.02
CIELCh	48, 33.505, 349.646
Yxy	17.1216, 0.3690, 0.2773
Android (android.graphics.Color)	4288896382 (0xFFA35D7E)
YUV	117.6920, 4.0958, 39.7351
Hunter-Lab	41.3783, 25.8772, -2.3330

# Details

The XYZ color **22.7845, 17.1216, 21.8426** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.6414, 30.1337, 25.7963**, and the grayscale version is **17.1049, 17.9957, 19.5973**.

A 20% lighter version of the original color is **47.4755, 38.5655, 47.5895**, and **8.5469, 5.5884, 7.6494** is the 20% darker color. If you saturate the color by 10%, you get **20.9711, 14.3465, 18.6122**, and if you desaturate by 10%, it is **24.9517, 20.5274, 25.4276**.

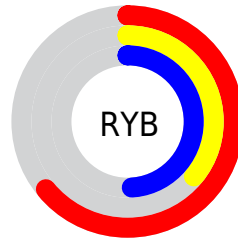
# Distribution



Red (64%)

Green (36%)

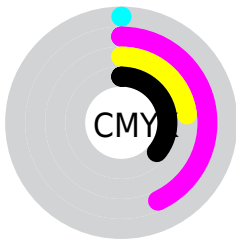
Blue (49%)



Red (64%)

Yellow (36%)

Blue (49%)

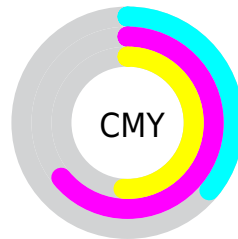


Cyan (0%)

Magenta (43%)

Yellow (23%)

Black (36%)



Cyan (36%)

Magenta (64%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7845, 17.1216, 21.8426 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 22.7845, 17.1216, 21.8426 by changing the saturation by 10% instead.





 22.7845, 17.1216,  
21.8426


 22.7845, 17.1216,  
21.8426


259.1723,  
235.8722, 274.6498


 14.5543, 10.3212,  
13.5441


 47.5085, 38.5347,  
47.3846


 8.5914, 5.6125,  
7.6691


 64.7330, 53.9163,  
65.4651

 4.5306, 2.6109,  
3.7993

 85.6863, 72.9270,  
87.6434

 2.0065, 0.9321,  
1.5159

 110.7337, 95.9513,  
114.3379

 0.6376, 0.0000,  
0.2297

140.2407,  
123.3736, 145.9673

 0.0000, 0.0000,  
0.0000

174.5726,

155.5782, 182.9500

214.0946,  
192.9496, 225.7047

■ 22.7845, 17.1216,  
21.8426

■ 22.7845, 17.1216,  
21.8426

■ 20.9711, 14.3465,  
18.6122

■ 24.9517, 20.5274,  
25.4276

■ 19.4893, 12.1600,  
15.7226

■ 27.4903, 24.5976,  
29.3781

■ 18.3165, 10.5188,  
13.1602


■ 30.4183, 29.3662,  
33.7060


■ 17.4265, 9.3724,  
10.9098


■ 33.7521, 34.8645,  
38.4221


■ 16.7881, 8.6609,  
8.9543


■ 37.5071, 41.1216,  
43.5367

 16.4382, 8.3201,  
7.7309

 41.6981, 48.1652,  
49.0596

 46.3388, 56.0215,  
55.0004

 51.4427, 64.7154,  
61.3682

 57.0222, 74.2709,  
68.1720

# Harmonies

## Analogous

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



21.1889, 17.1216, 31.8414



22.7845, 17.1216, 21.8426



22.4768, 17.1216, 13.5256

# Triad

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



22.7845, 17.1216, 21.8426



14.3721, 17.1216, 6.8391



12.7490, 17.1216, 34.6836

# Complementary

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



22.7845, 17.1216, 21.8426



21.6414, 30.1337, 25.7963

# 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.



11.3316, 17.1216, 24.9102



22.7845, 17.1216, 21.8426



12.1841, 17.1216, 9.7123

# Square

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



22.7845, 17.1216, 21.8426



17.3556, 17.1216, 6.4829



11.1387, 17.1216, 15.7713



15.2374, 17.1216, 40.6544



# Rectangle

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



22.7845, 17.1216, 21.8426



21.2447, 17.1216, 9.8161



11.1387, 17.1216, 15.7713



12.1455, 17.1216, 31.6136

# Sweetspot

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



22.7850, 17.1224, 21.8429



54.3094, 52.3185, 60.1230



19.6046, 15.1542, 36.5423



11.9352, 11.3209, 13.1218



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



22.7850, 17.1224, 21.8429



37.5509, 25.6834, 33.3207



21.0982, 16.6128, 12.4516



7.2062, 7.1390, 8.0725



12.7981, 6.4753, 6.1275



0.2928, 0.1456, 0.2543



# Inverse Universe

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



22.7850, 17.1224, 21.8429



37.5509, 25.6834, 33.3207



24.0166, 30.7539, 39.3207



7.2062, 7.1390, 8.0725



12.7981, 6.4753, 6.1275

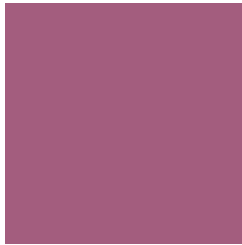


0.2928, 0.1456, 0.2543



# Previews

## White Background



This preview shows how the XYZ color 22.7845, 17.1216, 21.8426 looks on a white 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



# Black Background



This preview shows how the XYZ color 22.7845, 17.1216, 21.8426 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

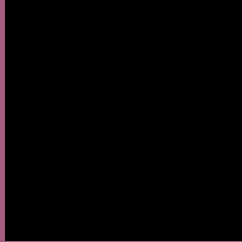
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 22.7845, 17.1216, 21.8426**

## **Background**



This preview shows how black text looks on a background with the XYZ color 22.7845, 17.1216, 21.8426.



This preview shows how white text looks on a background with the XYZ color 22.7845, 17.1216,



# 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

22.7845, 17.1216, 21.8426

### Protanopia

17.1813, 17.2431, 27.2336

### Deuteranopia

17.5377, 17.2294, 21.1402



## Tritanopia

21.4713, 17.1259, 15.2707

# Trichromacy



## Original Color

22.7845, 17.1216, 21.8426

## Protanomaly

18.5805, 16.7245, 25.1705

## Deuteranomaly

19.1709, 16.9617, 21.3323

## Tritanomaly

22.0078, 17.2170, 17.4925

# Monochromacy



## Original Color

22.7845, 17.1216, 21.8426

## Achromatopsia

17.2197, 18.1164, 19.7288

## Achromatomaly

18.7513, 17.3861, 20.4567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 22.7845, 17.1216, 21.8426 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(163, 93, 126)` looks like.

```
.text, #text, p{  
    color:rgb(163, 93, 126)  
}
```

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(163, 93, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 93, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 22.7845, 17.1216, 21.8426 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(163, 93, 126) }
```



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

```
.border{ border-color:rgb(163, 93, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 93, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 93, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 93, 126);  
box-shadow:4px 4px 4px 4px rgb(163, 93,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 22.7845, 17.1216, 21.8426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 93, 126) }
```

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

```
.background{ background-color: rgb(163, 93,  
126) }
```

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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