

# Converting Colors

XYZ(28.6281, 21.6989, 32.1468)

Have a look what the booklet for  
XYZ(28.6281, 21.6989, 32.1468)  
contains.

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# Color

**XYZ(28.6444, 21.7725,  
31.9709)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B06A97
RGB	176, 106, 151
RGB Percent	69%, 42%, 59%
CMY	0.3098, 0.5843, 0.4078
CMYK	0.00, 0.40, 0.14, 0.31
HSL	321°, 31%, 55%
HSV	321°, 40%, 69%
XYZ	28.6444, 21.7725, 31.9709
YIQ	132.0600, 27.2750, 28.8350

# Conversions

## Conversions Part 2

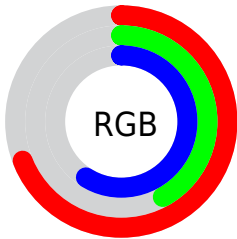
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 106, 151
Decimal	11561623
CIE <sub>Lab</sub>	53.78, 34.43, -12.61
CIE <sub>LCh</sub>	54, 36.667, 339.880
Yxy	21.7725, 0.3477, 0.2643
Android (android.graphics.Color)	4289751703 (0xFFB06A97)
YUV	132.0600, 9.3374, 38.5354
Hunter-Lab	46.6610, 27.9213, -7.9612

# Details

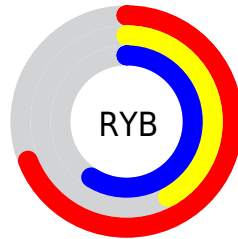
The XYZ color **28.6444, 21.7725, 31.9709** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.5668, 35.7541, 27.0280**, and the grayscale version is **21.9148, 23.0561, 25.1081**.

A 20% lighter version of the original color is **57.0219, 46.5277, 63.7330**, and **11.7405, 7.8860, 12.9600** is the 20% darker color. If you saturate the color by 10%, you get **26.5165, 18.3117, 28.8097**, and if you desaturate by 10%, it is **31.1731, 25.9906, 35.4004**.

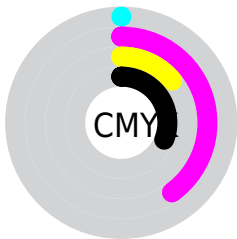
# Distribution



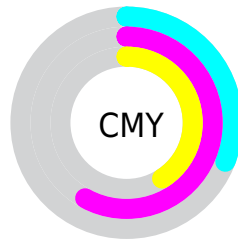
- Red (69%)
- Green (42%)
- Blue (59%)



- Red (69%)
- Yellow (42%)
- Blue (59%)



- Cyan (0%)
- Magenta (40%)
- Yellow (14%)
- Black (31%)




- Cyan (31%)
- Magenta (58%)
- Yellow (41%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6444, 21.7725, 31.9709 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 28.6444, 21.7725, 31.9709 by changing the saturation by 10% instead.




 28.6444, 21.7725,  
31.9709


 28.6444, 21.7725,  
31.9709


287.5580,  
261.3559, 325.4753

 18.9549, 13.6898,  
21.0746


 56.9131, 46.3697,  
63.8628


 11.7415, 7.9053,  
12.9868


 76.2230, 63.6530,  
85.6956

 6.6389, 4.0344,  
7.2888


 99.4705, 84.7720,  
112.0110

 3.2816, 1.6928,  
3.5622

 127.0208,  
110.1111, 143.2274

 1.3044, 0.4190,  
1.3884

159.2394,  
140.0546, 179.7635

 0.1865, 0.0000,  
0.1326

196.4915,

 0.0000, 0.0000,

174.9870, 222.0379

0.0000

239.1426,  
215.2926, 270.4690

■ 28.6444, 21.7725,  
31.9709

■ 28.6444, 21.7725,  
31.9709

■ 26.5165, 18.3117,  
28.8097

■ 31.1731, 25.9906,  
35.4004

■ 24.7640, 15.5592,  
25.9057

■ 34.1220, 31.0052,  
39.1062

■ 23.3617, 13.4649,  
23.2486


■ 37.5115, 36.8562,  
43.0971


■ 22.2802, 11.9707,  
20.8264


■ 41.3602, 43.5800,  
47.3813

■ 21.4851, 11.0086,  
18.6253


■ 45.6855, 51.2110,  
51.9666


 20.9057, 10.4376,  
16.6196

 50.5040, 59.7815,  
56.8603

 20.8931, 10.4256,  
16.5752

 55.8313, 69.3224,  
62.0695

 61.6824, 79.8630,  
67.6009

 64.9976, 85.2834,  
72.4364

# Harmonies

## Analogous

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



25.9355, 21.7725, 44.5314



28.6444, 21.7725, 31.9709



29.0808, 21.7725, 20.1788

# Triad

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



28.6444, 21.7725, 31.9709



19.4226, 21.7725, 8.1234



15.4130, 21.7725, 40.4954

# Complementary

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



28.6444, 21.7725, 31.9709



25.5668, 35.7541, 27.0280

# 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.



14.0981, 21.7725, 27.6232



28.6444, 21.7725, 31.9709



16.2112, 21.7725, 10.6609

# Square

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



28.6444, 21.7725, 31.9709



23.4080, 21.7725, 8.6236



14.3705, 21.7725, 17.0053



18.1985, 21.7725, 50.4362



# Rectangle

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



28.6444, 21.7725, 31.9709



27.9739, 21.7725, 14.4655



14.3705, 21.7725, 17.0053



14.8014, 21.7725, 36.2261

# Sweetspot

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



28.6451, 21.7735, 31.9713



66.4578, 64.1122, 76.3491



22.2743, 18.2293, 43.4192



14.2304, 13.5964, 16.3458



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.



28.6451, 21.7735, 31.9713



48.4215, 33.7396, 52.7644



26.2409, 20.8118, 19.3111



8.7186, 8.5942, 10.0166



15.3582, 7.6609, 12.3124



0.5098, 0.2517, 0.5274



# Inverse Universe

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



28.6451, 21.7735, 31.9713



48.4215, 33.7396, 52.7644



28.3071, 36.8502, 41.4578



8.7186, 8.5942, 10.0166



15.3582, 7.6609, 12.3124

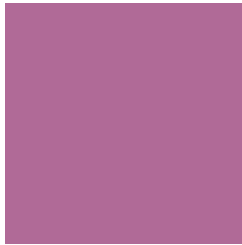


0.5098, 0.2517, 0.5274



# Previews

## White Background



This preview shows how the XYZ color 28.6444, 21.7725, 31.9709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

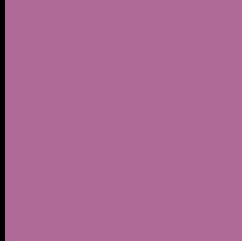
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.6444, 21.7725, 31.9709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

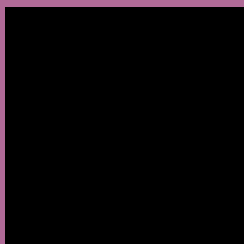
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 28.6444, 21.7725, 31.9709**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.6444, 21.7725, 31.9709.



This preview shows how white text looks on a background with the XYZ color 28.6444, 21.7725,



# 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

28.6444, 21.7725, 31.9709

### Protanopia

22.2099, 22.1135, 39.1741

### Deuteranopia

22.4790, 22.0464, 31.0876



## Tritanopia

26.4179, 21.8286, 20.5903

# Trichromacy



## Original Color

28.6444, 21.7725, 31.9709

## Protanomaly

23.9647, 21.5816, 36.6208

## Deuteranomaly

24.4161, 21.7531, 31.3457

## Tritanomaly

27.1282, 21.7892, 24.2487

# Monochromacy



## Original Color

28.6444, 21.7725, 31.9709

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.9559, 22.3259, 27.4728

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.6444, 21.7725, 31.9709 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(176, 106, 151)` looks like.

```
.text, #text, p{  
    color:rgb(176, 106, 151)  
}
```

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(176, 106, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 106, 151) }
```

## Border

The CSS property to change the border of an element to XYZ 28.6444, 21.7725, 31.9709 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(176, 106, 151) }
```



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

```
.border{ border-color:rgb(176, 106, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 106, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 106, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 106, 151);  
box-shadow:4px 4px 4px 4px rgb(176, 106,  
151) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.6444, 21.7725, 31.9709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 106, 151) }
```

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

```
.background{ background-color: rgb(176,  
106, 151) }
```

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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