

# Converting Colors

XYZ(28.2716, 21.8155, 28.3119)

Have a look what the booklet for  
XYZ(28.2716, 21.8155, 28.3119)  
contains.

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# Color

**XYZ(28.2716, 21.8155,  
28.3119)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B16B8E</a>
RGB	<a href="#">177, 107, 142</a>
RGB Percent	<a href="#">69%, 42%, 56%</a>
CMY	<a href="#">0.3059, 0.5804, 0.4431</a>
<a href="#">CMYK</a>	<a href="#">0.00, 0.40, 0.20, 0.31</a>
HSL	<a href="#">330°, 31%, 56%</a>
HSV	<a href="#">330°, 40%, 69%</a>
XYZ	<a href="#">28.2716, 21.8155, 28.3119</a>
YIQ	<a href="#">131.9200, 30.4850, 25.7250</a>

# Conversions

## Conversions Part 2

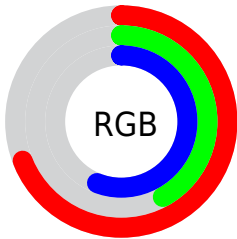
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 107, 142
Decimal	11627406
CIE Lab	53.83, 32.77, -7.26
CIE LCh	54, 33.564, 347.515
Yxy	21.8155, 0.3606, 0.2783
Android (android.graphics.Color)	4289817486 (0xFFB16B8E)
YUV	131.9200, 4.9694, 39.5352
Hunter-Lab	46.7071, 26.3080, -3.2442

# Details

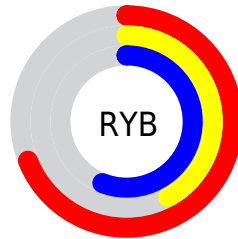
The XYZ color **28.2716, 21.8155, 28.3119** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.6690, 36.5236, 31.2370**, and the grayscale version is **21.8789, 23.0183, 25.0669**.

A 20% lighter version of the original color is **56.4663, 46.6196, 58.2469**, and **11.5633, 7.9099, 11.0425** is the 20% darker color. If you saturate the color by 10%, you get **25.9733, 18.2403, 24.3965**, and if you desaturate by 10%, it is **31.0016, 26.1693, 32.6320**.

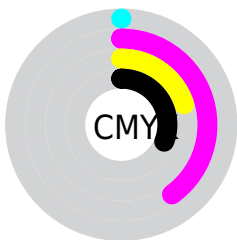
# Distribution



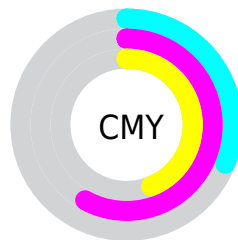
- Red (69%)
- Green (42%)
- Blue (56%)



- Red (69%)
- Yellow (42%)
- Blue (56%)



- Cyan (0%)
- Magenta (40%)
- Yellow (20%)
- Black (31%)




- Cyan (31%)
- Magenta (58%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.2716, 21.8155, 28.3119 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 28.2716, 21.8155, 28.3119 by changing the saturation by 10% instead.





 28.2716, 21.8155,  
28.3119


 28.2716, 21.8155,  
28.3119

285.8191,  
261.5813, 307.9130

 18.6720, 13.7214,  
18.3198


 56.3234, 46.4409,  
58.0111


 11.5361, 7.9271,  
11.0080


 75.5063, 63.7409,  
78.5553

 6.4986, 4.0484,  
5.9580


 98.6143, 84.8784,  
103.4540

 3.1941, 1.7007,  
2.7512

 126.0129,  
110.2377, 133.1256

 1.2572, 0.4241,  
0.9690

158.0672,  
140.2033, 167.9888

 0.1508, 0.0000,  
0.0000

195.1428,

 0.0000, 0.0000,

175.1595, 208.4621

0.0000

237.6050,  
215.4907, 254.9640

■ 28.2716, 21.8155,  
28.3119

■ 28.2716, 21.8155,  
28.3119

■ 25.9733, 18.2403,  
24.3965

■ 31.0016, 26.1693,  
32.6320

■ 24.0805, 15.3937,  
20.8704

■ 34.1839, 31.3414,  
37.3688

■ 22.5667, 13.2248,  
17.7188


■ 37.8399, 37.3729,  
42.5353


■ 21.4014, 11.6744,  
14.9249


■ 41.9891, 44.3007,  
48.1435


■ 20.5488, 10.6734,  
12.4702


■ 46.6498, 52.1599,  
54.2047


 19.9391, 10.0842,  
10.3242

 51.8394, 60.9836,  
60.7299

 19.9136, 10.0600,  
10.2327

 57.5744, 70.8032,  
67.7297

 63.8706, 81.6487,  
75.2142

 67.0301, 86.1226,  
81.9555

# Harmonies

## Analogous

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



26.2826, 21.8155, 39.8553



28.2716, 21.8155, 28.3119



28.0783, 21.8155, 18.2622

# Triad

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



28.2716, 21.8155, 28.3119



18.7166, 21.8155, 9.3989



16.3941, 21.8155, 41.6218

# Complementary

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



28.2716, 21.8155, 28.3119



26.6690, 36.5236, 31.2370

# 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.



14.7986, 21.8155, 30.2479



28.2716, 21.8155, 28.3119



16.0287, 21.8155, 12.7039

# Square

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



28.2716, 21.8155, 28.3119



22.2709, 21.8155, 9.1577



14.6731, 21.8155, 19.7125



19.2713, 21.8155, 48.9076



# Rectangle

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



28.2716, 21.8155, 28.3119



26.7380, 21.8155, 13.5932



14.6731, 21.8155, 19.7125



15.7053, 21.8155, 38.0211

# Sweetspot

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



28.2722, 21.8165, 28.3123



65.9437, 63.9066, 73.6420



24.3498, 19.4417, 44.0643



14.1084, 13.5476, 15.7034



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.



28.2722, 21.8165, 28.3123



47.1811, 33.6874, 44.8644



26.0438, 20.9252, 16.5775



8.6676, 8.5738, 9.7482



14.4587, 7.3010, 7.5754



0.4844, 0.2415, 0.3934



# Inverse Universe

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



28.2722, 21.8165, 28.3123



47.1811, 33.6874, 44.8644



29.7220, 37.7448, 47.3141



8.6676, 8.5738, 9.7482



14.4587, 7.3010, 7.5754

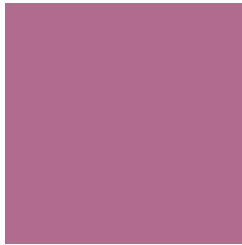


0.4844, 0.2415, 0.3934



# Previews

## White Background



This preview shows how the XYZ color 28.2716, 21.8155, 28.3119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

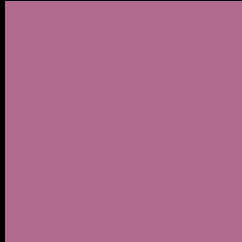
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.2716, 21.8155, 28.3119 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 28.2716, 21.8155, 28.3119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.2716, 21.8155, 28.3119.



This preview shows how white text looks on a background with the XYZ color 28.2716, 21.8155,



# 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

28.2716, 21.8155, 28.3119

### Protanopia

21.8883, 22.0496, 34.5548

### Deuteranopia

22.3103, 21.8497, 27.4676



## Tritanopia

26.7538, 21.8389, 20.5746

# Trichromacy



## Original Color

28.2716, 21.8155, 28.3119

## Protanomaly

23.6301, 21.5069, 32.1840

## Deuteranomaly

24.1610, 21.5257, 27.6924

## Tritanomaly

27.3767, 21.9405, 23.2141

# Monochromacy



## Original Color

28.2716, 21.8155, 28.3119

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

23.7396, 22.2394, 26.3340

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.2716, 21.8155, 28.3119 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(177, 107, 142)` looks like.

```
.text, #text, p{  
    color:rgb(177, 107, 142)  
}
```

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(177, 107, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 107, 142) }
```

## Border

The CSS property to change the border of an element to XYZ 28.2716, 21.8155, 28.3119 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(177, 107, 142) }
```



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

```
.border{ border-color:rgb(177, 107, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 107, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 107, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 107, 142);  
box-shadow:4px 4px 4px 4px rgb(177, 107,  
142) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.2716, 21.8155, 28.3119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 107, 142) }
```

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

```
.background{ background-color: rgb(177,  
107, 142) }
```

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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