

Converting Colors

XYZ(28.4971, 22.9021, 32.9814)

Have a look what the booklet for
XYZ(28.4971, 22.9021, 32.9814)
contains.

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Color

**XYZ(28.5617, 22.9925,
33.0696)**

Conversions

Conversions Part 1

Format	Color
Hex	AB7299
RGB	171, 114, 153
RGB Percent	67%, 45%, 60%
CMY	0.3294, 0.5529, 0.4000
CMYK	0.00, 0.33, 0.11, 0.33
HSL	319°, 25%, 56%
HSV	319°, 33%, 67%
XYZ	28.5617, 22.9925, 33.0696
YIQ	135.4890, 21.4530, 24.2130

Conversions

Conversions Part 2

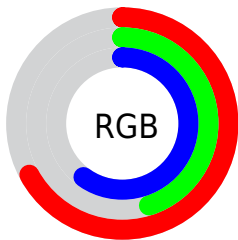
Format	Color
R_{YB}	171, 114, 153
Decimal	11235993
CIE _{Lab}	55.06, 28.59, -11.91
CIE _{LCh}	55, 30.972, 337.381
Yxy	22.9925, 0.3375, 0.2717
Android (android.graphics.Color)	4289426073 (0xFFAB7299)
YUV	135.4890, 8.6329, 31.1431
Hunter-Lab	47.9505, 22.4101, -7.3247

Details

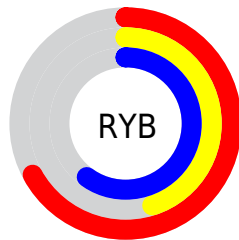
The XYZ color **28.5617, 22.9925, 33.0696** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.6682, 34.3699, 27.1126**, and the grayscale version is **23.1748, 24.3817, 26.5517**.

A 20% lighter version of the original color is **56.7598, 48.4733, 65.3962**, and **11.7598, 8.5915, 13.6089** is the 20% darker color. If you saturate the color by 10%, you get **26.3743, 19.3152, 30.1895**, and if you desaturate by 10%, it is **31.1312, 27.4011, 36.1772**.

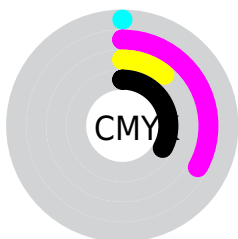
Distribution



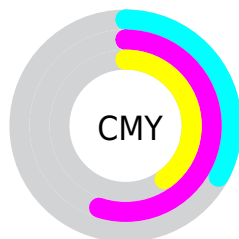
- Red (67%)
- Green (45%)
- Blue (60%)



- Red (67%)
- Yellow (45%)
- Blue (60%)



- Cyan (0%)
- Magenta (33%)
- Yellow (11%)
- Black (33%)



- Cyan (33%)
- Magenta (55%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.5617, 22.9925, 33.0696 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 28.5617, 22.9925, 33.0696 by changing the saturation by 10% instead.

 28.5617, 22.9925,
33.0696


 28.5617, 22.9925,
33.0696

287.1729,
267.6865, 330.6049


 18.8921, 14.5880,
21.9082


 56.7824, 48.3810,
65.6014


 11.6959, 8.5307,
13.5918


 76.0642, 66.1338,
87.8090

 6.6077, 4.4364,
7.7018


 99.2808, 87.7714,
114.5356

 3.2621, 1.9205,
3.8197

 126.7975,
113.6783, 146.2000

 1.2938, 0.5607,
1.5270

158.9797,
144.2389, 183.2205

 0.1786, 0.0000,
0.2379

196.1928,

 0.0000, 0.0000,

179.8375, 226.0158

0.0000

238.8021,
220.8586, 275.0044

■ 28.5617, 22.9925,
33.0696

■ 28.5617, 22.9925,
33.0696

■ 26.3743, 19.3152,
30.1895

■ 31.1312, 27.4011,
36.1772

■ 24.5466, 16.3257,
27.5274

■ 34.0997, 32.5752,
39.5184

■ 23.0569, 13.9807,
25.0749

■ 37.4853, 38.5504,
43.1009

■ 21.8802, 12.2307,
22.8224

■ 41.3046, 45.3594,
46.9312

■ 20.9879, 11.0190,
20.7589

■ 45.5730, 53.0329,
51.0159

■ 20.3457, 10.2774,
18.8716

■ 50.3055, 61.6001,
55.3610

■ 20.0055, 9.9423,
17.6933

■ 55.5160, 71.0887,
59.9724

■ 61.2181, 81.5254,
64.8558

■ 63.1686, 84.4236,
68.5978

Harmonies

Analogous

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



26.1303, 22.9925, 43.3539



28.5617, 22.9925, 33.0696



29.1090, 22.9925, 22.6744

Triad

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



28.5617, 22.9925, 33.0696



21.0131, 22.9925, 10.5326



16.9980, 22.9925, 38.4202

Complementary

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



28.5617, 22.9925, 33.0696



25.6682, 34.3699, 27.1126

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.



15.9168, 22.9925, 27.5538



28.5617, 22.9925, 33.0696



18.0711, 22.9925, 12.7764

Square

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



28.5617, 22.9925, 33.0696



24.5037, 22.9925, 11.2813



16.2879, 22.9925, 18.4200



19.4020, 22.9925, 46.9668

Rectangle

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



28.5617, 22.9925, 33.0696



28.2844, 22.9925, 17.2794



16.2879, 22.9925, 18.4200



16.4800, 22.9925, 34.8205

Sweetspot

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



28.5624, 22.9935, 33.0701



62.9007, 61.5577, 72.7513



22.7446, 19.8094, 41.1533



13.8484, 13.4132, 16.0319



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.



28.5624, 22.9935, 33.0701



48.1988, 36.1983, 55.3825



26.5401, 22.1846, 22.4207



8.2278, 8.1044, 9.5103



15.1056, 7.5048, 13.4676



0.4435, 0.2181, 0.4973

Inverse Universe

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



28.5624, 22.9935, 33.0701



48.1988, 36.1983, 55.3825



27.8134, 35.2280, 38.4090



8.2278, 8.1044, 9.5103



15.1056, 7.5048, 13.4676



0.4435, 0.2181, 0.4973

Previews

White Background



This preview shows how the XYZ color 28.5617, 22.9925, 33.0696 looks on a white background.

Color Contrast Check

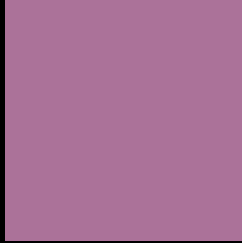
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5617, 22.9925, 33.0696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

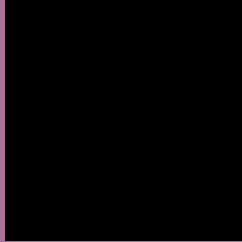
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5617, 22.9925, 33.0696

Background



This preview shows how black text looks on a background with the XYZ color 28.5617, 22.9925, 33.0696.



This preview shows how white text looks on a background with the XYZ color 28.5617, 22.9925,

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

28.5617, 22.9925, 33.0696

Protanopia

23.1293, 23.1980, 38.3806

Deuteranopia

23.5086, 23.1368, 32.0810



Tritanopia

26.6416, 23.0770, 23.4722

Trichromacy



Original Color

28.5617, 22.9925, 33.0696

Protanomaly

24.6633, 22.8680, 36.3718

Deuteranomaly

25.1880, 23.0392, 32.3976

Tritanomaly

27.2388, 22.9637, 26.6637

Monochromacy



Original Color

28.5617, 22.9925, 33.0696

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.6846, 23.4276, 28.8122

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5617, 22.9925, 33.0696 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(171, 114, 153)` looks like.

```
.text, #text, p{  
    color:rgb(171, 114, 153)  
}
```

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(171, 114, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 114, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.5617, 22.9925, 33.0696 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(171, 114, 153) }
```


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

```
.border{ border-color:rgb(171, 114, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 114, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 114, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 114, 153);  
box-shadow:4px 4px 4px 4px rgb(171, 114,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5617, 22.9925, 33.0696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 114, 153) }
```

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

```
.background{ background-color: rgb(171,  
114, 153) }
```

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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