

Converting Colors

XYZ(28.4133, 22.2118, 41.6955)

Have a look what the booklet for
XYZ(28.4133, 22.2118, 41.6955)
contains.

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Color

**XYZ(28.4407, 22.2399,
41.8235)**

Conversions

Conversions Part 1

Format	Color
Hex	A46FAC
RGB	164, 111, 172
RGB Percent	64%, 44%, 67%
CMY	0.3569, 0.5647, 0.3255
CMYK	0.05, 0.35, 0.00, 0.33
HSL	292°, 27%, 55%
HSV	292°, 35%, 67%
XYZ	28.4407, 22.2399, 41.8235
YIQ	133.8010, 12.0070, 30.2070

Conversions

Conversions Part 2

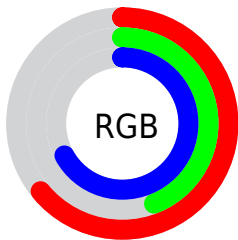
Format	Color
RYB	164, 111, 172
Decimal	10776492
CIELab	54.28, 31.50, -24.21
CIELCh	54, 39.725, 322.450
Yxy	22.2399, 0.3075, 0.2404
Android (android.graphics.Color)	4288966572 (0xFFA46FAC)
YUV	133.8010, 18.8321, 26.4845
Hunter-Lab	47.1592, 25.1209, -19.5704

Details

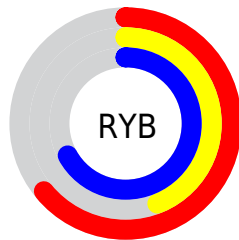
The XYZ color **28.4407, 22.2399, 41.8235** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.2302, 34.5752, 20.3838**, and the grayscale version is **22.5176, 23.6903, 25.7987**.

A 20% lighter version of the original color is **56.7943, 47.3680, 79.5483**, and **11.6079, 8.1567, 18.4154** is the 20% darker color. If you saturate the color by 10%, you get **26.2804, 18.6038, 41.2359**, and if you desaturate by 10%, it is **30.9720, 26.6048, 42.5329**.

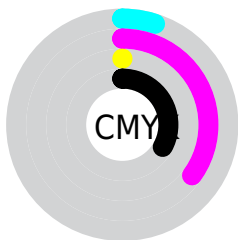
Distribution



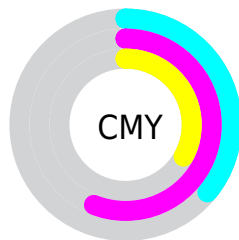
- Red (64%)
- Green (44%)
- Blue (67%)



- Red (64%)
- Yellow (44%)
- Blue (67%)



- Cyan (5%)
- Magenta (35%)
- Yellow (0%)
- Black (33%)





- Cyan (36%)
- Magenta (56%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.4407, 22.2399, 41.8235 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 28.4407, 22.2399, 41.8235 by changing the saturation by 10% instead.

 28.4407, 22.2399,
41.8235


 28.4407, 22.2399,
41.8235


286.6088,
263.7965, 369.5288


 18.8003, 14.0333,
28.6386


 56.5910, 47.1422,
79.1996


 11.6292, 8.1438,
18.5644


 75.8316, 64.6066,
104.2279

 6.5621, 4.1871,
11.1823


 99.0030, 85.9258,
134.0411

 3.2337, 1.7788,
6.0739

 126.4705,
111.4841, 169.0576

 1.2785, 0.4739,
2.8205

158.5995,
141.6660, 209.6962

 0.1670, 0.0000,
1.0037

195.7553,

 0.0000, 0.0000,

176.8557, 256.3752

0.0000

238.3033,
217.4378, 309.5132

■ 28.4407, 22.2399,
41.8235

■ 28.4407, 22.2399,
41.8235

■ 26.2804, 18.6038,
41.2359

■ 30.9720, 26.6048,
42.5329

■ 24.4682, 15.6521,
40.7616

■ 33.8915, 31.7341,
43.3691

■ 22.9817, 13.3398,
40.3937

■ 37.2175, 37.6643,
44.3385

■ 21.7952, 11.6155,
40.1234

■ 40.9670, 44.4288,
45.4465

■ 20.8789, 10.4194,
39.9408

■ 45.1556, 52.0591,
46.6985

■ 20.1951, 9.6765,
39.8334

■ 49.7982, 60.5850,
48.0995

■ 19.9222, 9.4101,
39.7964

■ 54.9092, 70.0349,
49.6542

■ 60.5022, 80.4360,
51.3670

■ 63.0461, 84.7263,
52.0610

Harmonies

Analogous

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



24.4758, 22.2399, 53.5696



28.4407, 22.2399, 41.8235



30.5004, 22.2399, 27.4813

Triad

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



28.4407, 22.2399, 41.8235



22.2499, 22.2399, 7.4475



14.3465, 22.2399, 34.4967

Complementary

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



28.4407, 22.2399, 41.8235



25.2302, 34.5752, 20.3838

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.



13.9197, 22.2399, 21.2192



28.4407, 22.2399, 41.8235



18.1190, 22.2399, 8.1999

Square

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



28.4407, 22.2399, 41.8235



26.6224, 22.2399, 9.8159



15.2070, 22.2399, 12.4076



16.4645, 22.2399, 48.4307

Rectangle

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



28.4407, 22.2399, 41.8235



30.3430, 22.2399, 19.4352



15.2070, 22.2399, 12.4076



14.0134, 22.2399, 29.7216

Sweetspot

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



28.4414, 22.2409, 41.8240



63.9659, 61.9784, 79.3974



20.6155, 19.5844, 41.7237



13.7336, 13.1711, 17.2061



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.



28.4414, 22.2409, 41.8240



48.2943, 34.7773, 74.9731



28.1739, 22.3306, 31.5256



8.2322, 8.0940, 10.0811



14.8581, 7.0195, 29.6163



0.4414, 0.2098, 0.8252

Inverse Universe

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



26.0281, 21.4723, 20.2263



43.3469, 33.2357, 29.1592



25.5678, 34.5887, 27.6529



8.0464, 8.0318, 8.5552



12.7845, 6.5764, 1.2448



0.3687, 0.1882, 0.1033

Previews

White Background



This preview shows how the XYZ color 28.4407, 22.2399, 41.8235 looks on a white background.

Color Contrast Check

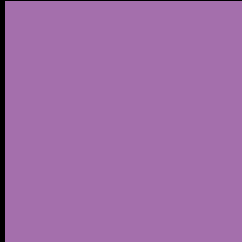
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4407, 22.2399, 41.8235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

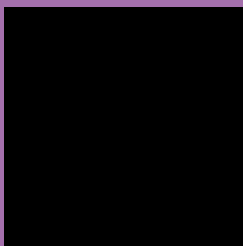
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.4407, 22.2399, 41.8235

Background



This preview shows how black text looks on a background with the XYZ color 28.4407, 22.2399, 41.8235.



This preview shows how white text looks on a background with the XYZ color 28.4407, 22.2399,

41.8235.

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

28.4407, 22.2399, 41.8235

Protanopia

23.1582, 22.3859, 48.9993

Deuteranopia

22.9066, 22.4405, 40.6603



Tritanopia

24.7795, 22.2870, 23.7647

Trichromacy



Original Color

28.4407, 22.2399, 41.8235

Protanomaly

24.5578, 22.0396, 46.1398

Deuteranomaly

24.5318, 22.1397, 41.0106

Tritanomaly

25.9693, 22.2405, 29.7122

Monochromacy



Original Color

28.4407, 22.2399, 41.8235

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.4832, 23.0796, 31.1814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.4407, 22.2399, 41.8235 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(164, 111, 172)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 172)  
}
```

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(164, 111, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 172) }
```

Border

The CSS property to change the border of an element to XYZ 28.4407, 22.2399, 41.8235 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(164, 111, 172) }
```


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

```
.border{ border-color:rgb(164, 111, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 111, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 172);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 28.4407, 22.2399, 41.8235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 172) }
```

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

```
.background{ background-color: rgb(164,  
111, 172) }
```

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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