

Converting Colors

XYZ(28.7984, 22.4775, 40.0132)

Have a look what the booklet for
XYZ(28.7984, 22.4775, 40.0132)
contains.

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Color

**XYZ(28.6887, 22.4115,
39.8596)**

Conversions

Conversions Part 1

Format	Color
Hex	A76FA8
RGB	167, 111, 168
RGB Percent	65%, 44%, 66%
CMY	0.3451, 0.5647, 0.3412
CMYK	0.01, 0.34, 0.00, 0.34
HSL	299°, 25%, 55%
HSV	299°, 34%, 66%
XYZ	28.6887, 22.4115, 39.8596
YIQ	134.2420, 15.0790, 29.5990

Conversions

Conversions Part 2

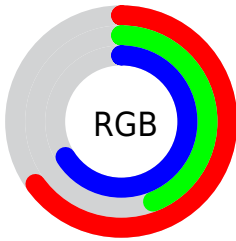
Format	Color
R _Y B	167, 111, 168
Decimal	10973096
CIE Lab	54.46, 31.69, -21.59
CIE LCh	54, 38.342, 325.735
Yxy	22.4115, 0.3154, 0.2464
Android (android.graphics.Color)	4289163176 (0xFFA76FA8)
YUV	134.2420, 16.6427, 28.7288
Hunter-Lab	47.3408, 25.3253, -16.7819

Details

The XYZ color **28.6887, 22.4115, 39.8596** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **23.5547, 32.5982, 20.0906**, and the grayscale version is **22.6864, 23.8678, 25.9921**.

A 20% lighter version of the original color is **57.0262, 47.5666, 75.9877**, and **11.8144, 8.2836, 17.4992** is the 20% darker color. If you saturate the color by 10%, you get **26.9633, 19.0524, 39.3025**, and if you desaturate by 10%, it is **30.7605, 26.4621, 40.5326**.

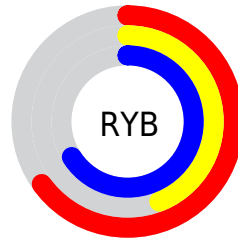
Distribution



Red (65%)

Green (44%)

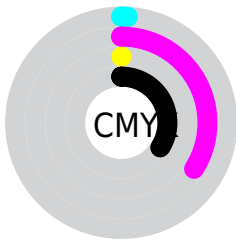
Blue (66%)



Red (65%)

Yellow (44%)

Blue (66%)

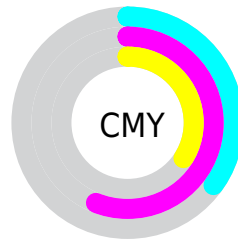


Cyan (1%)

Magenta (34%)

Yellow (0%)

Black (34%)



Cyan (35%)


Magenta (56%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.6887, 22.4115, 39.8596 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 28.6887, 22.4115, 39.8596 by changing the saturation by 10% instead.


 28.6887, 22.4115,
39.8596


 28.6887, 22.4115,
39.8596


287.7641,
264.6878, 361.0659


 18.9885, 14.1596,
27.1161


 56.9831, 47.4252,
76.1844


 11.7660, 8.2317,
17.4273


 76.3081, 64.9557,
100.6029

 6.6556, 4.2436,
10.3744


 99.5721, 86.3479,
129.7500

 3.2921, 1.8107,
5.5391

 127.1404,
111.9862, 164.0445

 1.3100, 0.4939,
2.5027

159.3784,
142.2549, 203.9048

 0.1907, 0.0000,
0.8416

196.6514,

 0.0000, 0.0000,

177.5385, 249.7494

0.0000

239.3249,
218.2213, 301.9970

■ 28.6887, 22.4115,
39.8596

■ 28.6887, 22.4115,
39.8596

■ 26.9633, 19.0524,
39.3025

■ 30.7605, 26.4621,
40.5326

■ 25.5626, 16.3432,
38.8534

■ 33.1943, 31.2370,
41.3260

■ 24.4662, 14.2422,
38.5056

■ 36.0075, 36.7705,
42.2458

■ 23.6502, 12.7018,
38.2513

■ 39.2157, 43.0937,
43.2972

■ 23.0872, 11.6673,
38.0813

■ 42.8335, 50.2361,
44.4851

■ 22.7445, 11.0731,
37.9847

■ 46.8751, 58.2257,
45.8142

■ 22.5965, 10.8324,
37.9460

■ 51.3536, 67.0890,
47.2890

■ 56.2818, 76.8515,
48.9136

■ 59.3305, 82.8545,
49.9116

Harmonies

Analogous

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



25.0000, 22.4115, 51.6939



28.6887, 22.4115, 39.8596



30.4021, 22.4115, 26.1614

Triad

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



28.6887, 22.4115, 39.8596



21.9071, 22.4115, 7.8523



14.8292, 22.4115, 35.8723

Complementary

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



28.6887, 22.4115, 39.8596



23.5547, 32.5982, 20.0906

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.



14.2265, 22.4115, 22.7239



28.6887, 22.4115, 39.8596



17.9870, 22.4115, 8.9456

Square

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



28.6887, 22.4115, 39.8596



26.1742, 22.4115, 9.8550



15.3055, 22.4115, 13.5683



17.0744, 22.4115, 48.9110

Rectangle

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



28.6887, 22.4115, 39.8596



30.0486, 22.4115, 18.6576



15.3055, 22.4115, 13.5683



14.4415, 22.4115, 31.2196

Sweetspot

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



28.6894, 22.4125, 39.8601



62.0641, 60.2780, 75.5888



19.5183, 17.9957, 39.4909



13.3817, 12.8519, 16.4275



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



28.6894, 22.4125, 39.8601



49.5579, 35.7958, 71.5224



26.6711, 21.6297, 28.1257



7.8287, 7.6598, 9.4842



17.0686, 8.1826, 28.6553



0.4192, 0.2011, 0.6974

Inverse Universe

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



24.7582, 20.8645, 18.0524



41.2994, 32.5470, 25.5652



25.1175, 33.2087, 28.9801



7.5362, 7.5444, 7.8751



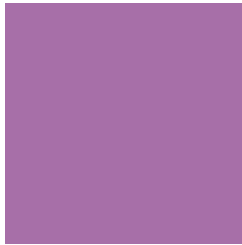
12.2089, 6.2923, 0.6455



0.2987, 0.1537, 0.0242

Previews

White Background



This preview shows how the XYZ color 28.6887, 22.4115, 39.8596 looks on a white background.

Color Contrast Check

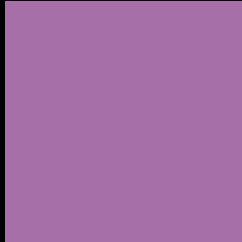
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6887, 22.4115, 39.8596 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 28.6887, 22.4115, 39.8596

Background



This preview shows how black text looks on a background with the XYZ color 28.6887, 22.4115, 39.8596.



This preview shows how white text looks on a background with the XYZ color 28.6887, 22.4115,

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

28.6887, 22.4115, 39.8596

Protanopia

23.2610, 22.6815, 46.8681

Deuteranopia

23.1149, 22.5906, 38.7394



Tritanopia

25.3934, 22.4335, 23.4138

Trichromacy



Original Color

28.6887, 22.4115, 39.8596

Protanomaly

24.6275, 22.1220, 44.0463

Deuteranomaly

24.8270, 22.3350, 39.0789

Tritanomaly

26.5132, 22.3665, 28.9064

Monochromacy



Original Color

28.6887, 22.4115, 39.8596

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.5032, 23.1080, 30.3630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6887, 22.4115, 39.8596 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(167, 111, 168)` looks like.

```
.text, #text, p{  
    color:rgb(167, 111, 168)  
}
```

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(167, 111, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 111, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.6887, 22.4115, 39.8596 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(167, 111, 168) }
```


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

```
.border{ border-color:rgb(167, 111, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 111, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 111, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 111, 168);  
box-shadow:4px 4px 4px 4px rgb(167, 111,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6887, 22.4115, 39.8596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 111, 168) }
```

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

```
.background{ background-color: rgb(167,  
111, 168) }
```

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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