

Converting Colors

XYZ(27.8217, 22.2191, 27.5315)

Have a look what the booklet for
XYZ(27.8217, 22.2191, 27.5315)
contains.

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Color

**XYZ(27.8736, 22.2610,
27.6386)**

Conversions

Conversions Part 1

Format	Color
Hex	AE6F8C
RGB	174, 111, 140
RGB Percent	68%, 44%, 55%
CMY	0.3176, 0.5647, 0.4510
CMYK	0.00, 0.36, 0.20, 0.32
HSL	332°, 28%, 56%
HSV	332°, 36%, 68%
XYZ	27.8736, 22.2610, 27.6386
YIQ	133.1430, 28.2390, 22.3750

Conversions

Conversions Part 2

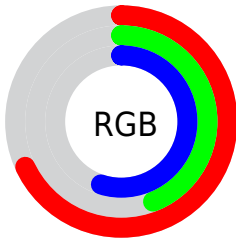
Format	Color
R_{YB}	174, 111, 140
Decimal	11431820
CIE Lab	54.30, 29.16, -5.42
CIE LCh	54, 29.662, 349.468
Yxy	22.2610, 0.3584, 0.2862
Android (android.graphics.Color)	4289621900 (0xFFAE6F8C)
YUV	133.1430, 3.3805, 35.8316
Hunter-Lab	47.1816, 22.8853, -1.7045

Details

The XYZ color **27.8736, 22.2610, 27.6386** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **26.8034, 35.6965, 32.2672**, and the grayscale version is **22.3278, 23.4906, 25.5813**.

A 20% lighter version of the original color is **55.9681, 47.4349, 57.2449**, and **11.3138, 8.1765, 10.6548** is the 20% darker color. If you saturate the color by 10%, you get **25.4936, 18.5621, 23.5734**, and if you desaturate by 10%, it is **30.6838, 26.7253, 32.1393**.

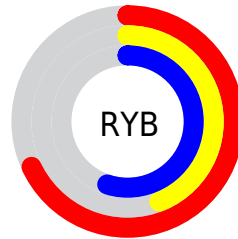
Distribution



Red (68%)

Green (44%)

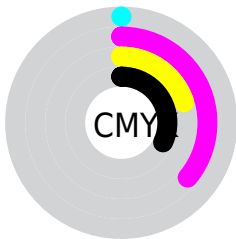
Blue (55%)



Red (68%)

Yellow (44%)

Blue (55%)

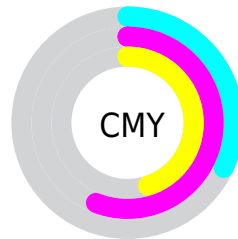


Cyan (0%)

Magenta (36%)

Yellow (20%)

Black (32%)



Cyan (32%)


Magenta (56%)

Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8736, 22.2610, 27.6386 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 27.8736, 22.2610, 27.6386 by changing the saturation by 10% instead.

 27.8736, 22.2610,
27.6386


 27.8736, 22.2610,
27.6386


283.9535,
263.9063, 304.5934


 18.3704, 14.0488,
17.8167


 55.6926, 47.1770,
56.9231


 11.3175, 8.1546,
10.6504


 74.7391, 64.6496,
77.2228

 6.3497, 4.1940,
5.7211


 97.6974, 85.9778,
101.8521

 3.1015, 1.7827,
2.6102

 124.9329,
111.5459, 131.2298

 1.2077, 0.4764,
0.8977

156.8109,
141.7385, 165.7742

 0.1124, 0.0000,
0.0000

193.6967,

 0.0000, 0.0000,

176.9398, 205.9039

0.0000

235.9558,
217.5342, 252.0374

■ 27.8736, 22.2610,
27.6386

■ 27.8736, 22.2610,
27.6386

■ 25.4936, 18.5621,
23.5734

■ 30.6838, 26.7253,
32.1393

■ 23.5188, 15.5817,
19.9275

■ 33.9436, 31.9919,
37.0882

■ 21.9246, 13.2726,
16.6852


■ 37.6733, 38.0995,
42.4990


■ 20.6826, 11.5807,
13.8294


■ 41.8915, 45.0828,
48.3847


■ 19.7602, 10.4433,
11.3407

■ 46.6157, 52.9750,
54.7572


 19.1141, 9.7768,
9.1964

 51.8626, 61.8073,
61.6284

 18.9069, 9.5792,
8.4593

 57.6481, 71.6096,
69.0094

 63.9873, 82.4102,
76.9112

 66.7408, 85.9288,
83.9596

Harmonies

Analogous

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



26.2407, 22.2610, 37.7388



27.8736, 22.2610, 27.6386



27.5736, 22.2610, 18.7786

Triad

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



27.8736, 22.2610, 27.6386



19.1545, 22.2610, 11.0347



17.3720, 22.2610, 40.4339

Complementary

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



27.8736, 22.2610, 27.6386



26.8034, 35.6965, 32.2672

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.



15.8245, 22.2610, 30.6656



27.8736, 22.2610, 27.6386



16.7788, 22.2610, 14.4161

Square

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



27.8736, 22.2610, 27.6386



22.3145, 22.2610, 10.6155



15.6189, 22.2610, 21.1293



20.0429, 22.2610, 46.2791

Rectangle

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



27.8736, 22.2610, 27.6386



26.3264, 22.2610, 14.5959



15.6189, 22.2610, 21.1293



16.7153, 22.2610, 37.3997

Sweetspot

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



27.8742, 22.2620, 27.6390



64.8507, 63.3853, 72.0848



24.9320, 20.4095, 42.6700



14.2165, 13.7654, 15.7347



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.



27.8742, 22.2620, 27.6390



47.2281, 35.1856, 44.4900



26.2419, 21.9801, 17.8997



8.1528, 8.0744, 9.1156



13.7426, 6.9596, 6.2900



0.4101, 0.2047, 0.3214

Inverse Universe

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



27.8742, 22.2620, 27.6390



47.2281, 35.1856, 44.4900



28.9297, 35.9030, 45.4498



8.1528, 8.0744, 9.1156



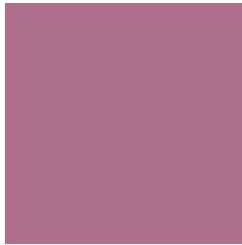
13.7426, 6.9596, 6.2900



0.4101, 0.2047, 0.3214

Previews

White Background



This preview shows how the XYZ color 27.8736, 22.2610, 27.6386 looks on a white background.

Color Contrast Check

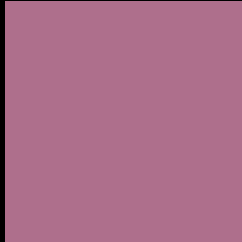
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8736, 22.2610, 27.6386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

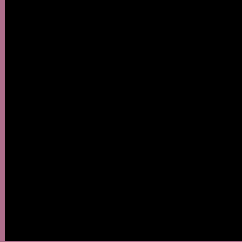
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.8736, 22.2610, 27.6386

Background



This preview shows how black text looks on a background with the XYZ color 27.8736, 22.2610, 27.6386.



This preview shows how white text looks on a background with the XYZ color 27.8736, 22.2610,

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

27.8736, 22.2610, 27.6386

Protanopia

22.1219, 22.4031, 32.8640

Deuteranopia

22.7914, 22.3033, 26.7706



Tritanopia

26.6057, 22.2353, 21.6285

Trichromacy



Original Color

27.8736, 22.2610, 27.6386

Protanomaly

23.6325, 21.8968, 30.9979

Deuteranomaly

24.3737, 22.1851, 27.0423

Tritanomaly

27.1012, 22.2795, 23.6409

Monochromacy



Original Color

27.8736, 22.2610, 27.6386

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

23.9903, 22.7407, 26.4175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8736, 22.2610, 27.6386 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(174, 111, 140)` looks like.

```
.text, #text, p{  
    color:rgb(174, 111, 140)  
}
```

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(174, 111, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 111, 140) }
```

Border

The CSS property to change the border of an element to XYZ 27.8736, 22.2610, 27.6386 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(174, 111, 140) }
```


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

```
.border{ border-color:rgb(174, 111, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 111, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 111, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 111, 140);  
box-shadow:4px 4px 4px 4px rgb(174, 111,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8736, 22.2610, 27.6386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 111, 140) }
```

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

```
.background{ background-color: rgb(174,  
111, 140) }
```

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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