

Converting Colors

XYZ(27.6880, 22.0425, 40.0248)

Have a look what the booklet for
XYZ(27.6880, 22.0425, 40.0248)
contains.

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Color

**XYZ(27.7623, 22.0969,
39.8477)**

Conversions

Conversions Part 1

Format	Color
Hex	A270A8
RGB	162, 112, 168
RGB Percent	64%, 44%, 66%
CMY	0.3647, 0.5608, 0.3412
CMYK	0.04, 0.33, 0.00, 0.34
HSL	294°, 24%, 55%
HSV	294°, 33%, 66%
XYZ	27.7623, 22.0969, 39.8477
YIQ	133.3340, 11.8240, 28.0160

Conversions

Conversions Part 2

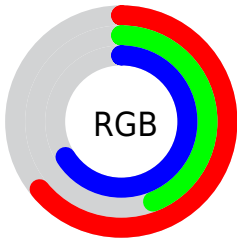
Format	Color
R_{YB}	162, 112, 168
Decimal	10645672
CIE _{Lab}	54.13, 29.47, -22.14
CIE _{LCh}	54, 36.859, 323.074
Yxy	22.0969, 0.3095, 0.2463
Android (android.graphics.Color)	4288835752 (0xFFA270A8)
YUV	133.3340, 17.0903, 25.1401
Hunter-Lab	47.0073, 23.1584, -17.3545

Details

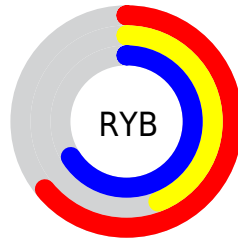
The XYZ color **27.7623, 22.0969, 39.8477** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.3993, 33.0273, 20.4193**, and the grayscale version is **22.3533, 23.5174, 25.6104**.

A 20% lighter version of the original color is **55.5082, 46.7841, 75.9167**, and **11.2366, 8.0672, 17.4879** is the 20% darker color. If you saturate the color by 10%, you get **25.7159, 18.5427, 39.2698**, and if you desaturate by 10%, it is **30.1612, 26.3475, 40.5420**.

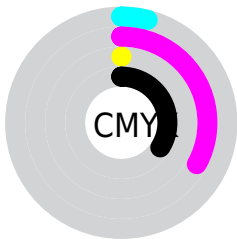
Distribution



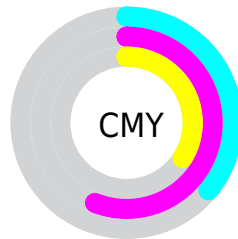
- Red (64%)
- Green (44%)
- Blue (66%)



- Red (64%)
- Yellow (44%)
- Blue (66%)



- Cyan (4%)
- Magenta (33%)
- Yellow (0%)
- Black (34%)



- Cyan (36%)
- Magenta (56%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7623, 22.0969, 39.8477 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 27.7623, 22.0969, 39.8477 by changing the saturation by 10% instead.

■ 27.7623, 22.0969,
39.8477

■ 27.7623, 22.0969,
39.8477

283.4301,
263.0519, 361.0142

■ 18.2861, 13.9281,
27.1069

■ 55.5160, 46.9061,
76.1661

■ 11.2565, 8.0707,
17.4204

■ 74.5242, 64.3153,
100.5808

■ 6.3082, 4.1402,
10.3696

■ 97.4405, 85.5734,
129.7239

■ 3.0758, 1.7523,
5.5359

■ 124.6302,
111.0649, 164.0139

■ 1.1940, 0.4572,
2.5008

156.4586,
141.1741, 203.8694

■ 0.1016, 0.0000,
0.8406

193.2912,

■ 0.0000, 0.0000,

176.2854, 249.7090

0.0000

235.4932,
216.7832, 301.9510

■ 27.7623, 22.0969,
39.8477

■ 27.7623, 22.0969,
39.8477

■ 25.7159, 18.5427,
39.2698

■ 30.1612, 26.3475,
40.5420

■ 24.0006, 15.6433,
38.8006

■ 32.9283, 31.3270,
41.3573

■ 22.5959, 13.3575,
38.4334

■ 36.0808, 37.0697,
42.2996

■ 21.4782, 11.6378,
38.1604

■ 39.6344, 43.6066,
43.3741

■ 20.6202, 10.4302,
37.9726

■ 43.6037, 50.9670,
44.5856

■ 19.9897, 9.6697,
37.8590

■ 48.0027, 59.1789,
45.9388

■ 19.6456, 9.3112,
37.8079

■ 52.8446, 68.2688,
47.4381

■ 58.1423, 78.2620,
49.0878

■ 61.2343, 83.8360,
50.0007

Harmonies

Analogous

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



24.1597, 22.0969, 50.5105



27.7623, 22.0969, 39.8477



29.5896, 22.0969, 26.8119

Triad

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



27.7623, 22.0969, 39.8477



21.9426, 22.0969, 8.1604



14.6975, 22.0969, 33.7544

Complementary

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



27.7623, 22.0969, 39.8477



24.3993, 33.0273, 20.4193

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.



14.2616, 22.0969, 21.5027



27.7623, 22.0969, 39.8477



18.1330, 22.0969, 8.9634

Square

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



27.7623, 22.0969, 39.8477



25.9646, 22.0969, 10.4085



15.4399, 22.0969, 13.1138



16.7166, 22.0969, 46.2838

Rectangle

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



27.7623, 22.0969, 39.8477



29.4102, 22.0969, 19.4179



15.4399, 22.0969, 13.1138



14.3724, 22.0969, 29.3881

Sweetspot

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



27.7630, 22.0979, 39.8482



61.4766, 59.9751, 75.5613



20.2924, 19.3559, 39.7127



13.2369, 12.7772, 16.4207



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.



27.7630, 22.0979, 39.8482



47.5703, 35.2063, 71.5133



27.1733, 22.0061, 30.2284



7.7616, 7.6252, 9.4811



14.8614, 7.0448, 28.5520



0.3833, 0.1826, 0.6957

Inverse Universe

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



25.2134, 21.2222, 19.9081



42.3043, 33.4179, 29.4117



24.9515, 33.1570, 27.4456



7.5626, 7.5549, 8.0137



12.2870, 6.3235, 1.0572



0.3087, 0.1577, 0.0769

Previews

White Background



This preview shows how the XYZ color 27.7623, 22.0969, 39.8477 looks on a white background.

Color Contrast Check

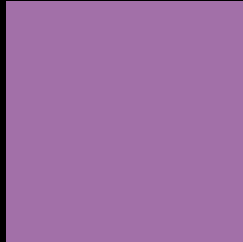
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7623, 22.0969, 39.8477 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 27.7623, 22.0969, 39.8477

Background



This preview shows how black text looks on a background with the XYZ color 27.7623, 22.0969, 39.8477.



This preview shows how white text looks on a background with the XYZ color 27.7623, 22.0969,

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

27.7623, 22.0969, 39.8477

Protanopia

22.8968, 22.3110, 46.2797

Deuteranopia

22.6931, 22.1804, 38.6825



Tritanopia

24.5835, 22.1860, 23.7555

Trichromacy



Original Color

27.7623, 22.0969, 39.8477

Protanomaly

24.1561, 21.8790, 44.0242

Deuteranomaly

24.3237, 22.0755, 39.0554

Tritanomaly

25.6173, 22.0767, 28.8976

Monochromacy



Original Color

27.7623, 22.0969, 39.8477

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

24.0235, 22.6718, 30.3041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7623, 22.0969, 39.8477 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(162, 112, 168)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 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(162, 112, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 168) }
```

Border

The CSS property to change the border of an element to XYZ 27.7623, 22.0969, 39.8477 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(162, 112, 168) }
```


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

```
.border{ border-color:rgb(162, 112, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 112, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 168);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7623, 22.0969, 39.8477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 112, 168) }
```

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

```
.background{ background-color: rgb(162,  
112, 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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