

Converting Colors

XYZ(29.5078, 22.7706, 42.5783)

Have a look what the booklet for
XYZ(29.5078, 22.7706, 42.5783)
contains.

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Color

**XYZ(29.3757, 22.7108,
42.3705)**

Conversions

Conversions Part 1

Format	Color
Hex	A86FAD
RGB	168, 111, 173
RGB Percent	66%, 44%, 68%
CMY	0.3412, 0.5647, 0.3216
CMYK	0.03, 0.36, 0.00, 0.32
HSL	295°, 27%, 56%
HSV	295°, 36%, 68%
XYZ	29.3757, 22.7108, 42.3705
YIQ	135.1110, 14.0700, 31.3660

Conversions

Conversions Part 2

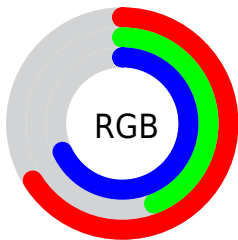
Format	Color
R _Y B	168, 111, 173
Decimal	11038637
CIE _{Lab}	54.77, 33.00, -23.99
CIE _{LCh}	55, 40.798, 323.979
Y _{xy}	22.7108, 0.3110, 0.2404
Android (android.graphics.Color)	4289228717 (0xFFA86FAD)
Y _{UV}	135.1110, 18.6793, 28.8437
Hunter-Lab	47.6558, 26.6320, -19.3553

Details

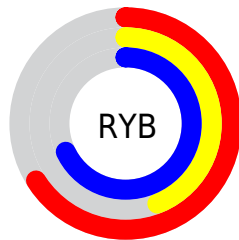
The XYZ color **29.3757, 22.7108, 42.3705** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **25.0160, 34.7484, 20.4286**, and the grayscale version is **23.0001, 24.1979, 26.3515**.

A 20% lighter version of the original color is **58.1588, 48.0554, 80.3391**, and **12.1830, 8.4462, 18.7575** is the 20% darker color. If you saturate the color by 10%, you get **27.3726, 19.1426, 41.7877**, and if you desaturate by 10%, it is **31.7491, 27.0138, 43.0763**.

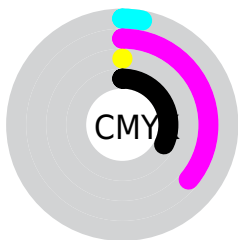
Distribution



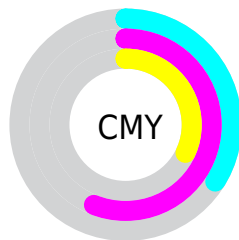
- Red (66%)
- Green (44%)
- Blue (68%)



- Red (66%)
- Yellow (44%)
- Blue (68%)



- Cyan (3%)
- Magenta (36%)
- Yellow (0%)
- Black (32%)



- Cyan (34%)
- Magenta (56%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.3757, 22.7108, 42.3705 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 29.3757, 22.7108, 42.3705 by changing the saturation by 10% instead.

■ 29.3757, 22.7108,
42.3705

■ 29.3757, 22.7108,
42.3705

290.9458,
266.2361, 371.8614

■ 19.5109, 14.3801,
29.0638

■ 58.0669, 47.9180,
80.0362

■ 12.1462, 8.3855,
18.8831

■ 77.6240, 65.5633,
105.2322

■ 6.9163, 4.3426,
11.4099

■ 101.1427, 87.0823,
135.2285

■ 3.4556, 1.8670,
6.2256

■ 128.9882,
112.8594, 170.4434

■ 1.3990, 0.5284,
2.9117

161.5259,
143.2789, 211.2957

■ 0.2555, 0.0000,
1.0497

199.1212,

■ 0.0000, 0.0000,

178.7253, 258.2037

0.0000

242.1394,
219.5829, 311.5861

■ 29.3757, 22.7108,
42.3705

■ 29.3757, 22.7108,
42.3705

■ 27.3726, 19.1426,
41.7877

■ 31.7491, 27.0138,
43.0763

■ 25.7162, 16.2638,
41.3193

■ 34.5100, 32.0875,
43.9101

■ 24.3841, 14.0287,
40.9581

■ 37.6772, 37.9691,
44.8785

■ 23.3499, 12.3847,
40.6953

■ 41.2678, 44.6927,
45.9870

■ 22.5832, 11.2711,
40.5208

■ 45.2977, 52.2901,
47.2410

■ 22.0446, 10.6091,
40.4214

■ 49.7821, 60.7917,
48.6457

■ 21.8509, 10.3932,
40.3899

■ 54.7354, 70.2264,
50.2057

■ 60.1714, 80.6216,
51.9256

■ 62.2551, 84.3074,
52.5272

Harmonies

Analogous

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



25.3004, 22.7108, 55.0191



29.3757, 22.7108, 42.3705



31.3951, 22.7108, 27.4221

Triad

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



29.3757, 22.7108, 42.3705



22.5071, 22.7108, 7.3543



14.6004, 22.7108, 36.2402

Complementary

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



29.3757, 22.7108, 42.3705



25.0160, 34.7484, 20.4286

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.



14.0678, 22.7108, 22.2168



29.3757, 22.7108, 42.3705



18.2540, 22.7108, 8.2838

Square

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



29.3757, 22.7108, 42.3705



27.0901, 22.7108, 9.6030



15.3116, 22.7108, 12.8219



16.8829, 22.7108, 50.7032

Rectangle

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



29.3757, 22.7108, 42.3705



31.1279, 22.7108, 19.2073



15.3116, 22.7108, 12.8219



14.2253, 22.7108, 31.2169

Sweetspot

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



29.3764, 22.7118, 42.3710



64.3472, 62.1750, 79.4153



20.3639, 18.9269, 42.1154



13.8260, 13.2187, 17.2104



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.



29.3764, 22.7118, 42.3710



49.7182, 35.5113, 75.0397



28.1982, 22.3658, 30.5040



8.2724, 8.1147, 10.0830



16.0753, 7.6470, 29.6733



0.4655, 0.2222, 0.8263

Inverse Universe

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



26.0711, 21.5150, 19.3026



42.9936, 33.0944, 27.2987



26.0033, 35.0686, 29.0036



8.0305, 8.0254, 8.4714



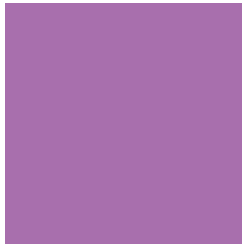
12.7278, 6.5537, 0.9462



0.3623, 0.1856, 0.0699

Previews

White Background



This preview shows how the XYZ color 29.3757, 22.7108, 42.3705 looks on a white background.

Color Contrast Check

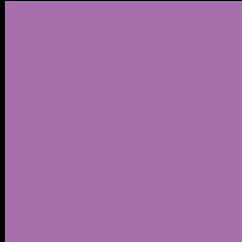
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3757, 22.7108, 42.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

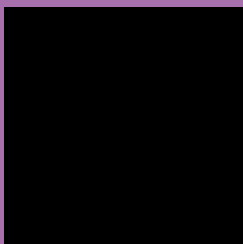
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.3757, 22.7108, 42.3705

Background



This preview shows how black text looks on a background with the XYZ color 29.3757, 22.7108, 42.3705.

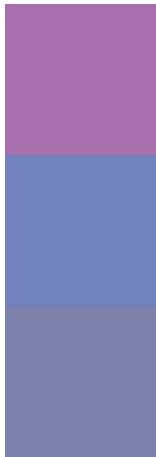


This preview shows how white text looks on a background with the XYZ color 29.3757, 22.7108,

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

29.3757, 22.7108, 42.3705

Protanopia

23.6299, 22.7991, 50.1689

Deuteranopia

23.4181, 22.8879, 41.2137



Tritanopia

25.5792, 22.6993, 23.8021

Trichromacy



Original Color

29.3757, 22.7108, 42.3705

Protanomaly

25.0759, 22.2830, 47.2354

Deuteranomaly

25.1254, 22.4348, 41.5342

Tritanomaly

26.7820, 22.6594, 29.7502

Monochromacy



Original Color

29.3757, 22.7108, 42.3705

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.9183, 23.2947, 31.6168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.3757, 22.7108, 42.3705 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(168, 111, 173)` looks like.

```
.text, #text, p{  
    color:rgb(168, 111, 173)  
}
```

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(168, 111, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 111, 173) }
```

Border

The CSS property to change the border of an element to XYZ 29.3757, 22.7108, 42.3705 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(168, 111, 173) }
```


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

```
.border{ border-color:rgb(168, 111, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 111, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 111, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 111, 173);  
box-shadow:4px 4px 4px 4px rgb(168, 111,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 29.3757, 22.7108, 42.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 111, 173) }
```

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

```
.background{ background-color: rgb(168,  
111, 173) }
```

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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