

Converting Colors

XYZ(28.2611, 22.2852, 42.5663)

Have a look what the booklet for
XYZ(28.2611, 22.2852, 42.5663)
contains.

XYZ(28.2373, 22.2869, 42.3487)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.2373, 22.2869,
42.3487)**

Conversions

Conversions Part 1

Format	Color
Hex	A270AD
RGB	162, 112, 173
RGB Percent	64%, 44%, 68%
CMY	0.3647, 0.5608, 0.3216
CMYK	0.06, 0.35, 0.00, 0.32
HSL	289°, 27%, 56%
HSV	289°, 35%, 68%
XYZ	28.2373, 22.2869, 42.3487
YIQ	133.9040, 10.2190, 29.5710

Conversions

Conversions Part 2

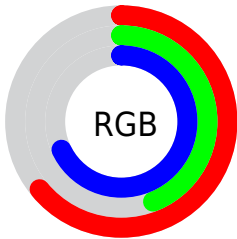
Format	Color
RYB	162, 112, 173
Decimal	10645677
CIELab	54.33, 30.48, -24.73
CIELCh	54, 39.254, 320.947
Yxy	22.2869, 0.3040, 0.2400
Android (android.graphics.Color)	4288835757 (0xFFA270AD)
YUV	133.9040, 19.2743, 24.6402
Hunter-Lab	47.2090, 24.1511, -20.1396

Details

The XYZ color **28.2373, 22.2869, 42.3487** is a light color, and the websafe version is hex **996699**. A complement of this color would be **26.0374, 35.2685, 20.7655**, and the grayscale version is **22.5543, 23.7289, 25.8407**.

A 20% lighter version of the original color is **56.5114, 47.4728, 80.3134**, and **11.4743, 8.1623, 18.7400** is the 20% darker color. If you saturate the color by 10%, you get **25.8831, 18.5071, 41.7435**, and if you desaturate by 10%, it is **30.9755, 26.8102, 43.0778**.

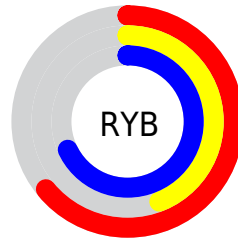
Distribution



Red (64%)

Green (44%)

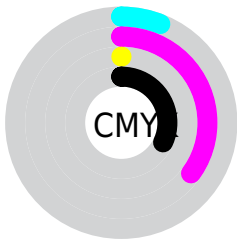
Blue (68%)



Red (64%)

Yellow (44%)

Blue (68%)

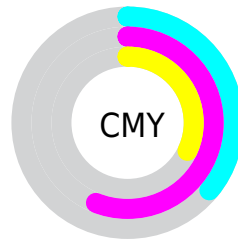


Cyan (6%)

Magenta (35%)

Yellow (0%)

Black (32%)



Cyan (36%)


Magenta (56%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.2373, 22.2869, 42.3487 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 28.2373, 22.2869, 42.3487 by changing the saturation by 10% instead.

 28.2373, 22.2869,
42.3487


 28.2373, 22.2869,
42.3487

285.6586,
264.0409, 371.7686


 18.6460, 14.0679,
29.0468


 56.2691, 47.2197,
80.0029


 11.5172, 8.1679,
18.8704


 75.4402, 64.7023,
105.1923

 6.4857, 4.2026,
11.4008


 98.5354, 86.0415,
135.1812

 3.1861, 1.7875,
6.2195

 125.9199,
111.6217, 170.3883

 1.2529, 0.4794,
2.9081

157.9592,
141.8274, 211.2320

 0.1475, 0.0000,
1.0479

195.0185,

 0.0000, 0.0000,

177.0429, 258.1310

0.0000

237.4632,
217.6526, 311.5037

■ 28.2373, 22.2869,
42.3487

■ 28.2373, 22.2869,
42.3487

■ 25.8831, 18.5071,
41.7435

■ 30.9755, 26.8102,
43.0778

■ 23.8894, 15.4258,
41.2539

■ 34.1149, 32.1129,
43.9359

■ 22.2336, 12.9973,
40.8724

■ 37.6744, 38.2322,
44.9294

■ 20.8896, 11.1695,
40.5904

■ 41.6710, 45.2019,
46.0640

■ 19.8272, 9.8821,
40.3979

■ 46.1208, 53.0539,
47.3451

■ 19.0087, 9.0602,
40.2824

■ 51.0389, 61.8185,
48.7776

■ 18.6646, 8.7506,
40.2408

■ 56.4399, 71.5245,
50.3664

■ 62.3377, 82.1995,
52.1161

■ 64.5577, 85.4944,
52.6350

Harmonies

Analogous

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



24.2631, 22.2869, 53.6002



28.2373, 22.2869, 42.3487



30.3927, 22.2869, 28.1669

Triad

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



28.2373, 22.2869, 42.3487



22.5044, 22.2869, 7.6408



14.3900, 22.2869, 33.7045

Complementary

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



28.2373, 22.2869, 42.3487



26.0374, 35.2685, 20.7655

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.



14.0516, 22.2869, 20.7442



28.2373, 22.2869, 42.3487



18.3753, 22.2869, 8.2409

Square

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



28.2373, 22.2869, 42.3487



26.8019, 22.2869, 10.1808



15.4139, 22.2869, 12.2412



16.4100, 22.2869, 47.5538

Rectangle

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



28.2373, 22.2869, 42.3487



30.3327, 22.2869, 20.0608



15.4139, 22.2869, 12.2412



14.0876, 22.2869, 29.0227

Sweetspot

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



28.2380, 22.2879, 42.3492



63.5971, 61.7883, 79.3802



21.3316, 20.6744, 42.4018



13.6444, 13.1251, 17.2019



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.



28.2380, 22.2879, 42.3492



47.3570, 34.7330, 75.0139



28.8348, 22.7961, 33.3148



8.1933, 8.0740, 10.0793



13.7555, 6.4511, 29.5647



0.4190, 0.1982, 0.8242

Inverse Universe

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



26.6037, 21.9036, 21.5656



44.1455, 34.0282, 31.9059



25.7447, 34.9798, 26.9813



8.0620, 8.0381, 8.6375



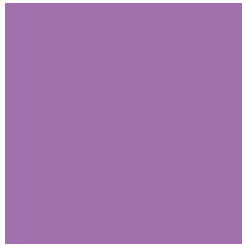
12.8600, 6.6065, 1.6422



0.3749, 0.1906, 0.1359

Previews

White Background



This preview shows how the XYZ color 28.2373, 22.2869, 42.3487 looks on a white background.

Color Contrast Check

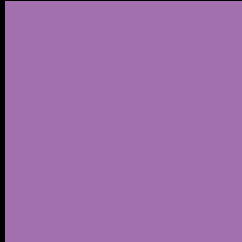
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2373, 22.2869, 42.3487 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 28.2373, 22.2869, 42.3487

Background



This preview shows how black text looks on a background with the XYZ color 28.2373, 22.2869, 42.3487.



This preview shows how white text looks on a background with the XYZ color 28.2373, 22.2869,

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

28.2373, 22.2869, 42.3487

Protanopia

23.2642, 22.4283, 49.5573

Deuteranopia

22.8600, 22.4056, 41.1501



Tritanopia

24.5769, 22.3544, 24.1386

Trichromacy



Original Color

28.2373, 22.2869, 42.3487

Protanomaly

24.5059, 22.0011, 46.6711

Deuteranomaly

24.4636, 22.0936, 41.5032

Tritanomaly

25.7673, 22.3013, 30.1406

Monochromacy



Original Color

28.2373, 22.2869, 42.3487

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

24.3077, 22.9891, 31.1732

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.2373, 22.2869, 42.3487 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, 173)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 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(162, 112, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 173) }
```

Border

The CSS property to change the border of an element to XYZ 28.2373, 22.2869, 42.3487 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, 173) }
```


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

```
.border{ border-color:rgb(162, 112, 173) }
```

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, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 173);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 28.2373, 22.2869, 42.3487 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, 173) }
```

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

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

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor