

Converting Colors

XYZ(28.8287, 23.9626, 37.2649)

Have a look what the booklet for
XYZ(28.8287, 23.9626, 37.2649)
contains.

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Color

**XYZ(28.8443, 23.9093,
37.2771)**

Conversions

Conversions Part 1

Format	Color
Hex	A677A2
RGB	166, 119, 162
RGB Percent	65%, 47%, 64%
CMY	0.3490, 0.5333, 0.3647
CMYK	0.00, 0.28, 0.02, 0.35
HSL	305°, 21%, 56%
HSV	305°, 28%, 65%
XYZ	28.8443, 23.9093, 37.2771
YIQ	137.9550, 14.2090, 23.3370

Conversions

Conversions Part 2

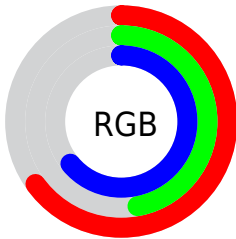
Format	Color
R _Y B	166, 119, 162
Decimal	10909602
CIE Lab	56.00, 25.67, -15.78
CIE LCh	56, 30.134, 328.422
Yxy	23.9093, 0.3204, 0.2656
Android (android.graphics.Color)	4289099682 (0xFFA677A2)
YUV	137.9550, 11.8542, 24.5955
Hunter-Lab	48.8971, 19.7267, -10.9722

Details

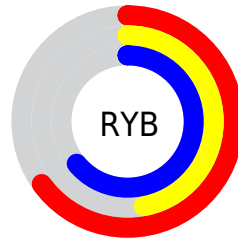
The XYZ color **28.8443, 23.9093, 37.2771** is a light color, and the websafe version is hex **996699**. A complement of this color would be **24.8201, 32.6252, 23.7294**, and the grayscale version is **24.0934, 25.3481, 27.6041**.

A 20% lighter version of the original color is **57.4011, 50.0444, 72.2798**, and **11.8147, 9.0168, 15.8696** is the 20% darker color. If you saturate the color by 10%, you get **26.9140, 20.2481, 36.0177**, and if you desaturate by 10%, it is **31.1226, 28.2633, 38.6600**.

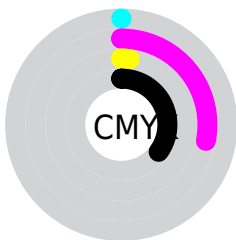
Distribution



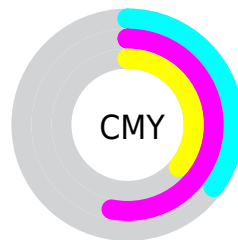
- Red (65%)
- Green (47%)
- Blue (64%)



- Red (65%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (28%)
- Yellow (2%)
- Black (35%)





- Cyan (35%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8443, 23.9093, 37.2771 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 28.8443, 23.9093, 37.2771 by changing the saturation by 10% instead.


 28.8443, 23.9093,
37.2771


 28.8443, 23.9093,
37.2771


288.4871,
272.3616, 349.7134


 19.1068, 15.2664,
25.1246


 57.2289, 49.8822,
72.1898

 11.8519, 9.0065,
15.9501


 76.6066, 67.9808,
95.7872

 6.7144, 4.7454,
9.3349


 99.9285, 90.0002,
124.0366

 3.3289, 2.0987,
4.8605

127.5599,
116.3247, 157.3566

 1.3300, 0.6639,
2.1083

159.8660,
147.3387, 196.1658

 0.2055, 0.0000,
0.6207

197.2124,

 0.0000, 0.0000,

183.4266, 240.8826

0.0000

239.9643,
224.9728, 291.9256

■ 28.8443, 23.9093,
37.2771

■ 28.8443, 23.9093,
37.2771

■ 26.9140, 20.2481,
36.0177

■ 31.1226, 28.2633,
38.6600

■ 25.3114, 17.2407,
34.8742

■ 33.7633, 33.3402,
40.1704

■ 24.0178, 14.8489,
33.8406

■ 36.7826, 39.1722,
41.8141

■ 23.0115, 13.0294,
32.9097

■ 40.1953, 45.7887,
43.5959

■ 22.2681, 11.7335,
32.0733

■ 44.0153, 53.2173,
45.5205

■ 21.7589, 10.9038,
31.3218

■ 48.2556, 61.4845,
47.5923

■ 21.4330, 10.4386,
30.6382

■ 52.9290, 70.6154,
49.8156

■ 21.3831, 10.3699,
30.5251

■ 58.0475, 80.6343,
52.1943

■ 59.1962, 82.7111,
53.2569

Harmonies

Analogous

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



26.0238, 23.9093, 46.5206



28.8443, 23.9093, 37.2771



30.0058, 23.9093, 26.5588

Triad

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



28.8443, 23.9093, 37.2771



22.9079, 23.9093, 11.3080



17.3860, 23.9093, 36.1398

Complementary

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



28.8443, 23.9093, 37.2771



24.8201, 32.6252, 23.7294

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.



16.7291, 23.9093, 25.5145



28.8443, 23.9093, 37.2771



19.7176, 23.9093, 12.6656

Square

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



28.8443, 23.9093, 37.2771



26.3710, 23.9093, 12.9913



17.5390, 23.9093, 17.3135



19.4317, 23.9093, 45.7559

Rectangle

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



28.8443, 23.9093, 37.2771



29.6023, 23.9093, 20.4897



17.5390, 23.9093, 17.3135



17.0051, 23.9093, 32.4959

Sweetspot

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



28.8450, 23.9104, 37.2776



61.3599, 60.6696, 72.9512



21.6373, 20.1529, 38.8264



13.5641, 13.2547, 16.2317



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.



28.8450, 23.9104, 37.2776



50.0642, 39.0518, 66.1841



26.9534, 23.1537, 27.3163



7.8140, 7.6554, 9.3375



16.5898, 8.0446, 23.7151



0.4114, 0.1988, 0.6178

Inverse Universe

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



28.8450, 23.9104, 37.2776



50.0642, 39.0518, 66.1841



26.4657, 33.2834, 32.3947



7.8140, 7.6554, 9.3375



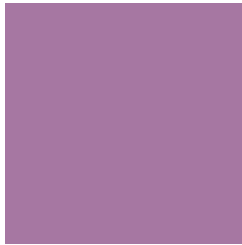
16.5898, 8.0446, 23.7151



0.4114, 0.1988, 0.6178

Previews

White Background



This preview shows how the XYZ color 28.8443, 23.9093, 37.2771 looks on a white background.

Color Contrast Check

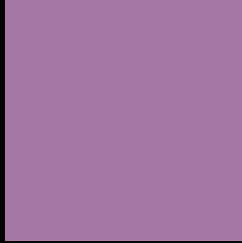
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8443, 23.9093, 37.2771 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 28.8443, 23.9093, 37.2771

Background



This preview shows how black text looks on a background with the XYZ color 28.8443, 23.9093, 37.2771.



This preview shows how white text looks on a background with the XYZ color 28.8443, 23.9093,

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

28.8443, 23.9093, 37.2771

Protanopia

24.2914, 24.1136, 42.4038

Deuteranopia

24.4531, 23.9216, 36.5862



Tritanopia

26.4110, 23.8179, 25.7596

Trichromacy



Original Color

28.8443, 23.9093, 37.2771

Protanomaly

25.6023, 23.8409, 40.2982

Deuteranomaly

25.8765, 23.8629, 36.9604

Tritanomaly

27.0978, 23.7192, 29.5356

Monochromacy



Original Color

28.8443, 23.9093, 37.2771

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

25.5955, 24.6351, 31.0098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8443, 23.9093, 37.2771 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(166, 119, 162)` looks like.

```
.text, #text, p{  
    color:rgb(166, 119, 162)  
}
```

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(166, 119, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 119, 162) }
```

Border

The CSS property to change the border of an element to XYZ 28.8443, 23.9093, 37.2771 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(166, 119, 162) }
```


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

```
.border{ border-color:rgb(166, 119, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 119, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 119, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 119, 162);  
box-shadow:4px 4px 4px 4px rgb(166, 119,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8443, 23.9093, 37.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 119, 162) }
```

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

```
.background{ background-color: rgb(166,  
119, 162) }
```

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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