

Converting Colors

XYZ(28.8517, 24.4970, 45.3954)

Have a look what the booklet for
XYZ(28.8517, 24.4970, 45.3954)
contains.

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Color

**XYZ(28.8291, 24.4482,
45.3190)**

Conversions

Conversions Part 1

Format	Color
Hex	9C7BB2
RGB	156, 123, 178
RGB Percent	61%, 48%, 70%
CMY	0.3882, 0.5176, 0.3020
CMYK	0.12, 0.31, 0.00, 0.30
HSL	276°, 26%, 59%
HSV	276°, 31%, 70%
XYZ	28.8291, 24.4482, 45.3190
YIQ	139.1370, 2.0130, 24.1010

Conversions

Conversions Part 2

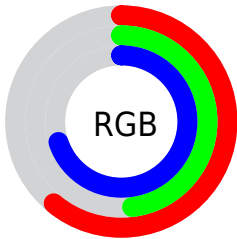
Format	Color
R _{YB}	156, 123, 178
Decimal	10255282
CIE _{Lab}	56.53, 23.30, -24.27
CIE _{LCh}	57, 33.642, 313.833
Y _{xy}	24.4482, 0.2924, 0.2480
Android (android.graphics.Color)	4288445362 (0xFF9C7BB2)
YUV	139.1370, 19.1595, 14.7889
Hunter-Lab	49.4451, 17.5459, -19.7308

Details

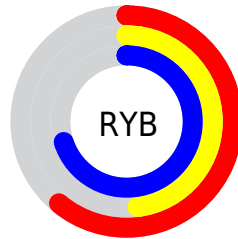
The XYZ color **28.8291, 24.4482, 45.3190** is a light color, and the websafe version is hex **996699**. A complement of this color would be **31.1735, 39.2912, 24.6810**, and the grayscale version is **24.5220, 25.7991, 28.0952**.

A 20% lighter version of the original color is **57.2406, 50.8401, 84.6381**, and **11.8594, 9.3213, 20.5762** is the 20% darker color. If you saturate the color by 10%, you get **25.4810, 19.7374, 44.5866**, and if you desaturate by 10%, it is **32.6610, 30.0056, 46.1901**.

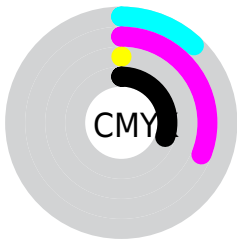
Distribution



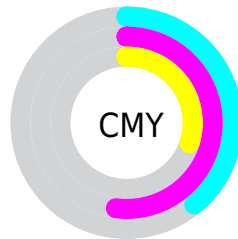
- Red (61%)
- Green (48%)
- Blue (70%)



- Red (61%)
- Yellow (48%)
- Blue (70%)



- Cyan (12%)
- Magenta (31%)
- Yellow (0%)
- Black (30%)



- Cyan (39%)
- Magenta (52%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8291, 24.4482, 45.3190 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 28.8291, 24.4482, 45.3190 by changing the saturation by 10% instead.

■ 28.8291, 24.4482,
45.3190

■ 28.8291, 24.4482,
45.3190

288.4165,
275.0787, 384.2617

■ 19.0952, 15.6664,
31.3640

■ 57.2049, 50.7606,
84.5224

■ 11.8435, 9.2884,
20.6154

■ 76.5775, 69.0600,
110.6079

■ 6.7086, 4.9298,
12.6547

■ 99.8937, 91.3008,
141.5740

■ 3.3253, 2.2061,
7.0633

127.5189,
117.8673, 177.8391

■ 1.3280, 0.7233,
3.4226

159.8184,
149.1440, 219.8219

■ 0.2040, 0.0000,
1.3143

197.1576,

■ 0.0000, 0.0000,

185.5152, 267.9410

0.0735

239.9019,
227.3653, 322.6147

■ 0.0000, 0.0000,
0.0000

■ 28.8291, 24.4482,
45.3190

■ 28.8291, 24.4482,
45.3190

■ 25.4810, 19.7374,
44.5866

■ 32.6610, 30.0056,
46.1901

■ 22.5912, 15.8259,
43.9839

■ 36.9959, 36.4476,
47.2051

■ 20.1353, 12.6664,
43.5035

■ 41.8546, 43.8133,
48.3707

■ 18.0853, 10.2049,
43.1364

■ 47.2560, 52.1387,
49.6930

■ 16.4094, 8.3804,
42.8726

■ 53.2181, 61.4579,
51.1775

■ 15.0704, 7.1203,
42.6999

■ 59.7579, 71.8032,
52.8297

■ 14.0752, 6.3277,
42.5994

■ 66.8917, 83.2053,
54.6545

■ 71.2258, 88.8750,
55.5205

■ 73.3364, 89.9630,
55.6192

Harmonies

Analogous

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



25.0773, 24.4482, 53.4033



28.8291, 24.4482, 45.3190



31.2122, 24.4482, 33.0610

Triad

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



28.8291, 24.4482, 45.3190



25.3892, 24.4482, 10.8584



16.6881, 24.4482, 32.0937

Complementary

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



28.8291, 24.4482, 45.3190



31.1735, 39.2912, 24.6810

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.



16.7516, 24.4482, 21.0750



28.8291, 24.4482, 45.3190



21.4896, 24.4482, 10.7342

Square

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



28.8291, 24.4482, 45.3190



29.0794, 24.4482, 14.3414



18.4198, 24.4482, 13.9355



18.2353, 24.4482, 44.4422

Rectangle

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



28.8291, 24.4482, 45.3190



31.5541, 24.4482, 25.2096



18.4198, 24.4482, 13.9355



16.5276, 24.4482, 28.0819

Sweetspot

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



28.8299, 24.4492, 45.3195



68.5543, 68.2986, 85.9509



26.4712, 27.9584, 46.1212



14.9187, 14.7260, 18.9784



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8299, 24.4492, 45.3195



48.0922, 38.4117, 81.2606



33.0270, 26.6652, 43.1536



8.5145, 8.4738, 10.6932



10.1433, 4.5648, 30.4835



0.3828, 0.1765, 0.9621

Inverse Universe

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



30.5547, 25.6763, 30.1349



51.8963, 41.0982, 48.6643



27.9585, 37.5999, 26.0637



8.6325, 8.5597, 9.5632



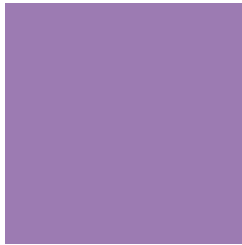
13.9846, 7.1114, 5.0790



0.4692, 0.2354, 0.3136

Previews

White Background



This preview shows how the XYZ color 28.8291, 24.4482, 45.3190 looks on a white background.

Color Contrast Check

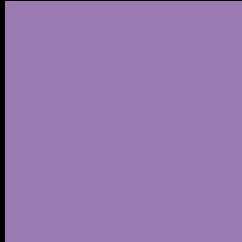
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8291, 24.4482, 45.3190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

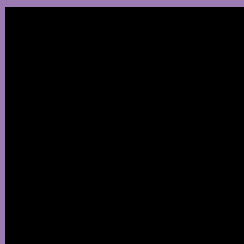
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.8291, 24.4482, 45.3190

Background



This preview shows how black text looks on a background with the XYZ color 28.8291, 24.4482, 45.3190.



This preview shows how white text looks on a background with the XYZ color 28.8291, 24.4482,

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

28.8291, 24.4482, 45.3190

Protanopia

25.1338, 24.5884, 49.8757

Deuteranopia

24.9764, 24.4217, 44.4718



Tritanopia

25.3680, 24.3724, 28.5666

Trichromacy



Original Color

28.8291, 24.4482, 45.3190

Protanomaly

26.2027, 24.3707, 48.1227

Deuteranomaly

26.2673, 24.2781, 44.8967

Tritanomaly

26.3710, 24.1872, 33.8506

Monochromacy



Original Color

28.8291, 24.4482, 45.3190

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.8144, 25.0947, 33.6202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8291, 24.4482, 45.3190 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(156, 123, 178)` looks like.

```
.text, #text, p{  
    color:rgb(156, 123, 178)  
}
```

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(156, 123, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 123, 178) }
```

Border

The CSS property to change the border of an element to XYZ 28.8291, 24.4482, 45.3190 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(156, 123, 178) }
```


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

```
.border{ border-color:rgb(156, 123, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 123, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 123, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 123, 178); box-shadow:4px 4px 4px 4px rgb(156, 123, 178) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8291, 24.4482, 45.3190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 123, 178) }
```

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

```
.background{ background-color: rgb(156,  
123, 178) }
```

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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