

Converting Colors

XYZ(27.8654, 16.8194, 46.1017)

Have a look what the booklet for
XYZ(27.8654, 16.8194, 46.1017)
contains.

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Color

**XYZ(27.7741, 16.7828,
46.0315)**

Conversions

Conversions Part 1

Format	Color
Hex	AC48B6
RGB	172, 72, 182
RGB Percent	67%, 28%, 71%
CMY	0.3255, 0.7176, 0.2863
CMYK	0.05, 0.60, 0.00, 0.29
HSL	295°, 43%, 50%
HSV	295°, 60%, 71%
XYZ	27.7741, 16.7828, 46.0315
YIQ	114.4400, 24.2900, 55.4100

Conversions

Conversions Part 2

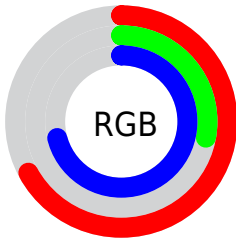
Format	Color
R_{YB}	172, 72, 182
Decimal	11290806
CIE _{Lab}	47.99, 56.00, -39.79
CIE _{LCh}	48, 68.692, 324.606
Yxy	16.7828, 0.3066, 0.1853
Android (android.graphics.Color)	4289480886 (0xFFAC48B6)
YUV	114.4400, 33.3071, 50.4801
Hunter-Lab	40.9668, 49.3250, -37.9432

Details

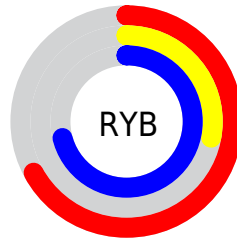
The XYZ color **27.7741, 16.7828, 46.0315** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.3779, 35.7180, 11.8992**, and the grayscale version is **16.0249, 16.8595, 18.3600**.

A 20% lighter version of the original color is **55.5266, 37.9177, 85.2812**, and **11.2975, 5.4707, 20.8826** is the 20% darker color. If you saturate the color by 10%, you get **26.4063, 14.5823, 45.6791**, and if you desaturate by 10%, it is **29.4959, 19.6835, 46.5009**.

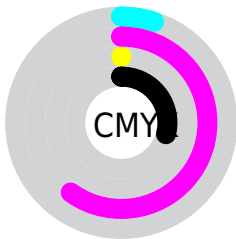
Distribution



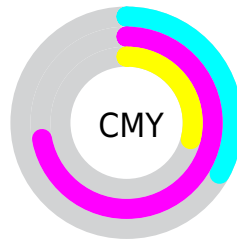
- Red (67%)
- Green (28%)
- Blue (71%)



- Red (67%)
- Yellow (28%)
- Blue (71%)



- Cyan (5%)
- Magenta (60%)
- Yellow (0%)
- Black (29%)



- Cyan (33%)
- Magenta (72%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7741, 16.7828, 46.0315 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 27.7741, 16.7828, 46.0315 by changing the saturation by 10% instead.

■ 27.7741, 16.7828,
46.0315

■ 27.7741, 16.7828,
46.0315

283.4856,
233.9176, 387.2165

■ 18.2950, 10.0798,
31.9218

■ 55.5347, 37.9520,
85.6009

■ 11.2630, 5.4519,
21.0375

■ 74.5470, 53.1869,
111.8978

■ 6.3126, 2.5148,
12.9599

■ 97.4678, 72.0345,
143.0941

■ 3.0785, 0.8840,
7.2705

■ 124.6623, 94.8793,
179.6084

■ 1.1954, 0.0000,
3.5509

■ 156.4960,
122.1056, 221.8592

■ 0.1028, 0.0000,
1.3823

193.3342,

■ 0.0000, 0.0000,

154.0978, 270.2652

0.1279

235.5423,
191.2403, 325.2448

■ 0.0000, 0.0000,
0.0000

■ 27.7741, 16.7828,
46.0315

■ 27.7741, 16.7828,
46.0315

■ 26.4063, 14.5823,
45.6791

■ 29.4959, 19.6835,
46.5009

■ 25.3588, 13.0164,
45.4321

■ 31.5978, 23.3380,
47.0955

■ 24.5947, 12.0106,
45.2782

■ 34.1054, 27.7972,
47.8240

■ 24.0555, 11.4257,
45.1937

■ 37.0416, 33.1070,
48.6942

■ 40.4277, 39.3097,
49.7130

■ 44.2835, 46.4449,
50.8870

■ 48.6276, 54.5497,
52.2224

■ 53.4774, 63.6594,
53.7251

■ 58.8499, 73.8072,
55.4007

Harmonies

Analogous

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



21.4469, 16.7828, 70.1940



27.7741, 16.7828, 46.0315



31.0033, 16.7828, 21.6736

Triad

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



27.7741, 16.7828, 46.0315



17.0983, 16.7828, 1.0034



7.3836, 16.7828, 36.4904

Complementary

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



27.7741, 16.7828, 46.0315



21.3779, 35.7180, 11.8992

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.



6.7845, 16.7828, 15.2492



27.7741, 16.7828, 46.0315



11.4856, 16.7828, 1.4926

Square

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



27.7741, 16.7828, 46.0315



23.8986, 16.7828, 2.1817



8.0745, 16.7828, 4.7759



9.9962, 16.7828, 62.6148

Rectangle

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



27.7741, 16.7828, 46.0315



30.4885, 16.7828, 10.9464



8.0745, 16.7828, 4.7759



6.9743, 16.7828, 28.3042

Sweetspot

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



27.7747, 16.7835, 46.0319



68.3953, 62.2822, 88.6526



14.2099, 10.9425, 45.6194



14.7351, 13.0796, 19.4696



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



27.7747, 16.7835, 46.0319



47.0877, 25.2304, 82.6239



26.1968, 16.4155, 25.8333



9.2983, 9.1201, 11.3497



17.0170, 8.0838, 31.9165



0.6235, 0.2972, 1.1262

Inverse Universe

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



23.1323, 15.1897, 9.6961



38.2497, 22.2764, 9.8283



22.5534, 36.0950, 22.3022



9.0369, 9.0251, 9.5416



13.7036, 7.0552, 1.0600



0.4942, 0.2532, 0.0960

Previews

White Background



This preview shows how the XYZ color 27.7741, 16.7828, 46.0315 looks on a white background.

Color Contrast Check

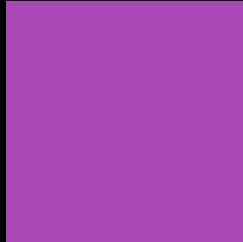
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.7741, 16.7828, 46.0315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

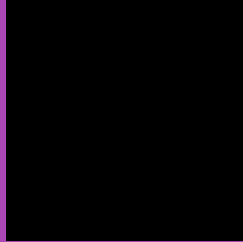
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.7741, 16.7828, 46.0315

Background



This preview shows how black text looks on a background with the XYZ color 27.7741, 16.7828, 46.0315.



This preview shows how white text looks on a background with the XYZ color 27.7741, 16.7828,

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

27.7741, 16.7828, 46.0315

Protanopia

19.9919, 17.2676, 69.2971

Deuteranopia

17.5015, 17.0611, 42.9281



Tritanopia

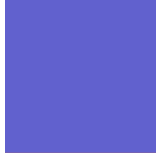
21.3908, 16.8251, 14.6905

Trichromacy



Original Color

27.7741, 16.7828, 46.0315



Protanomaly

20.3450, 15.5470, 60.3211



Deuteranomaly

19.8338, 15.9199, 44.1470



Tritanomaly

23.2308, 16.5621, 23.4451

Monochromacy



Original Color

27.7741, 16.7828, 46.0315



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

19.1137, 15.9387, 26.4952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7741, 16.7828, 46.0315 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(172, 72, 182)` looks like.

```
.text, #text, p{  
    color:rgb(172, 72, 182)  
}
```

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(172, 72, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 72, 182) }
```

Border

The CSS property to change the border of an element to XYZ 27.7741, 16.7828, 46.0315 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(172, 72, 182) }
```


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

```
.border{ border-color:rgb(172, 72, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 72, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 72, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 72, 182);  
box-shadow:4px 4px 4px 4px rgb(172, 72,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7741, 16.7828, 46.0315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 72, 182) }
```

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

```
.background{ background-color: rgb(172, 72,  
182) }
```

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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