

Converting Colors

XYZ(27.5537, 16.5485, 45.4849)

Have a look what the booklet for
XYZ(27.5537, 16.5485, 45.4849)
contains.

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Color

**XYZ(27.6070, 16.6133,
45.4677)**

Conversions

Conversions Part 1

Format	Color
Hex	AC47B5
RGB	172, 71, 181
RGB Percent	67%, 28%, 71%
CMY	0.3255, 0.7216, 0.2902
CMYK	0.05, 0.61, 0.00, 0.29
HSL	295°, 44%, 49%
HSV	295°, 61%, 71%
XYZ	27.6070, 16.6133, 45.4677
YIQ	113.7390, 24.8860, 55.6220

Conversions

Conversions Part 2

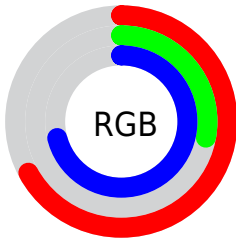
Format	Color
R_{YB}	172, 71, 181
Decimal	11290549
CIE _{Lab}	47.77, 56.26, -39.54
CIE _{LCh}	48, 68.768, 324.899
Yxy	16.6133, 0.3078, 0.1852
Android (android.graphics.Color)	4289480629 (0xFFAC47B5)
YUV	113.7390, 33.1597, 51.0949
Hunter-Lab	40.7594, 49.5719, -37.6072

Details

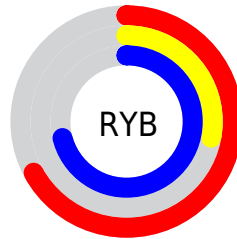
The XYZ color **27.6070, 16.6133, 45.4677** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **20.9699, 35.2085, 11.6526**, and the grayscale version is **15.8156, 16.6392, 18.1201**.

A 20% lighter version of the original color is **55.2528, 37.6047, 84.4670**, and **11.1422, 5.3583, 20.8691** is the 20% darker color. If you saturate the color by 10%, you get **26.2996, 14.4779, 45.1247**, and if you desaturate by 10%, it is **29.2620, 19.4376, 45.9259**.

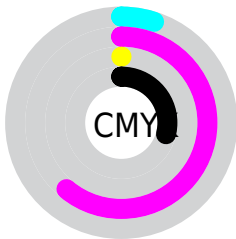
Distribution



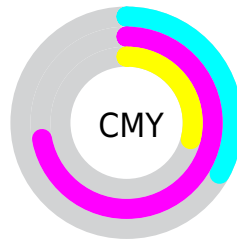
- Red (67%)
- Green (28%)
- Blue (71%)



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



- Cyan (5%)
- Magenta (61%)
- Yellow (0%)
- Black (29%)





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

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6070, 16.6133, 45.4677 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 27.6070, 16.6133, 45.4677 by changing the saturation by 10% instead.


 27.6070, 16.6133,
45.4677


 27.6070, 16.6133,
45.4677


282.6985,
232.9340, 384.8797


 18.1686, 9.9592,
31.4804


 55.2694, 37.6597,
84.7477


 11.1715, 5.3719,
20.7034


 74.2241, 52.8208,
110.8774


 6.2504, 2.4671,
12.7182


 97.0816, 71.5862,
141.8916

 3.0401, 0.8601,
7.1064

 124.2073, 94.3406,
178.2089

 1.1750, 0.0000,
3.4493

 155.9664,
121.4681, 220.2478

 0.0865, 0.0000,
1.3284

192.7244,

 0.0000, 0.0000,

153.3532, 268.4269

0.0849

234.8467,
190.3804, 323.1647

■ 0.0000, 0.0000,
0.0000

■ 27.6070, 16.6133,
45.4677

■ 27.6070, 16.6133,
45.4677

■ 26.2996, 14.4779,
45.1247

■ 29.2620, 19.4376,
45.9259

■ 25.3066, 12.9662,
44.8852

■ 31.2905, 23.0039,
46.5073

■ 24.5912, 12.0045,
44.7373

■ 33.7178, 27.3625,
47.2207

■ 24.1068, 11.4640,
44.6585

■ 36.5666, 32.5588,
48.0735

■ 39.8580, 38.6346,
49.0728

■ 43.6114, 45.6292,
50.2250

■ 47.8453, 53.5792,
51.5364

■ 52.5770, 62.5193,
53.0126

■ 57.8231, 72.4826,
54.6593

Harmonies

Analogous

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



21.3243, 16.6133, 69.6465



27.6070, 16.6133, 45.4677



30.7813, 16.6133, 21.2778

Triad

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



27.6070, 16.6133, 45.4677



16.8678, 16.6133, 0.9693



7.2953, 16.6133, 36.4732

Complementary

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



27.6070, 16.6133, 45.4677



20.9699, 35.2085, 11.6526

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.



6.6830, 16.6133, 15.2360



27.6070, 16.6133, 45.4677



11.3077, 16.6133, 1.4651

Square

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



27.6070, 16.6133, 45.4677



23.6328, 16.6133, 2.1058



7.9434, 16.6133, 4.7496



9.9089, 16.6133, 62.4931

Rectangle

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



27.6070, 16.6133, 45.4677



30.2360, 16.6133, 10.6901



7.9434, 16.6133, 4.7496



6.8831, 16.6133, 28.2951

Sweetspot

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



27.6076, 16.6140, 45.4680



66.8710, 60.8510, 86.5155



13.8205, 10.4383, 45.0027



14.1071, 12.5160, 18.5946



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.



27.6076, 16.6140, 45.4680



46.4280, 24.8758, 80.6491



25.6947, 16.0848, 24.7344



8.7801, 8.6107, 10.7056



16.6466, 7.9174, 30.7878



0.5438, 0.2594, 0.9697

Inverse Universe

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



22.7577, 14.9100, 9.2684



37.2776, 21.7280, 9.3158



22.3240, 35.6682, 22.4871



8.5236, 8.5162, 8.9900



13.2064, 6.8001, 0.9811



0.4248, 0.2177, 0.0795

Previews

White Background



This preview shows how the XYZ color 27.6070, 16.6133, 45.4677 looks on a white background.

Color Contrast Check

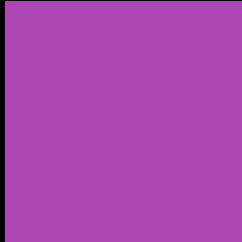
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6070, 16.6133, 45.4677 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 27.6070, 16.6133, 45.4677

Background



This preview shows how black text looks on a background with the XYZ color 27.6070, 16.6133, 45.4677.



This preview shows how white text looks on a background with the XYZ color 27.6070, 16.6133,

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

27.6070, 16.6133, 45.4677

Protanopia

19.6990, 16.9707, 68.5671

Deuteranopia

17.4036, 17.0219, 42.4127



Tritanopia

21.2520, 16.6264, 14.4010

Trichromacy



Original Color

27.6070, 16.6133, 45.4677



Protanomaly

20.0262, 15.2603, 59.6476



Deuteranomaly

19.6396, 15.6916, 43.5886



Tritanomaly

23.0829, 16.3743, 23.0630

Monochromacy



Original Color

27.6070, 16.6133, 45.4677



Achromatopsia

15.9940, 16.8269, 18.3245



Achromatomaly

18.9468, 15.7212, 26.0807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6070, 16.6133, 45.4677 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, 71, 181)` looks like.

```
.text, #text, p{  
    color:rgb(172, 71, 181)  
}
```

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, 71, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 71, 181) }
```

Border

The CSS property to change the border of an element to XYZ 27.6070, 16.6133, 45.4677 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, 71, 181) }
```


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

```
.border{ border-color:rgb(172, 71, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 71, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 71, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 71, 181);  
box-shadow:4px 4px 4px 4px rgb(172, 71,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6070, 16.6133, 45.4677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 71, 181) }
```

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

```
.background{ background-color: rgb(172, 71,  
181) }
```

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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