

Converting Colors

XYZ(28.5486, 17.5534, 38.9626)

Have a look what the booklet for
XYZ(28.5486, 17.5534, 38.9626)
contains.

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Color

**XYZ(28.5727, 17.5485,
38.9270)**

Conversions

Conversions Part 1

Format	Color
Hex	B54AA8
RGB	181, 74, 168
RGB Percent	71%, 29%, 66%
CMY	0.2902, 0.7098, 0.3412
CMYK	0.00, 0.59, 0.07, 0.29
HSL	307°, 42%, 50%
HSV	307°, 59%, 71%
XYZ	28.5727, 17.5485, 38.9270
YIQ	116.7090, 33.5980, 51.9180

Conversions

Conversions Part 2

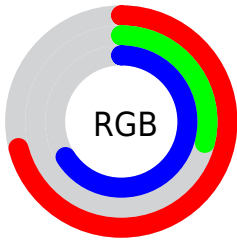
Format	Color
R_{YB}	181, 74, 168
Decimal	11881128
CIE _{Lab}	48.94, 55.02, -29.98
CIE _{LCh}	49, 62.651, 331.416
Yxy	17.5485, 0.3360, 0.2063
Android (android.graphics.Color)	4290071208 (0xFFB54AA8)
YUV	116.7090, 25.2865, 56.3832
Hunter-Lab	41.8909, 48.4410, -25.7714

Details

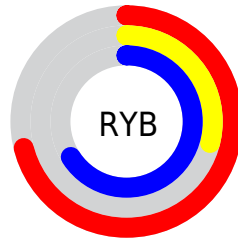
The XYZ color **28.5727, 17.5485, 38.9270** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **21.0690, 35.1923, 14.7004**, and the grayscale version is **16.7365, 17.6081, 19.1752**.

A 20% lighter version of the original color is **56.6351, 39.1168, 74.3773**, and **11.7075, 5.8163, 17.0286** is the 20% darker color. If you saturate the color by 10%, you get **27.3305, 15.3889, 37.5107**, and if you desaturate by 10%, it is **30.1671, 20.4063, 40.4781**.

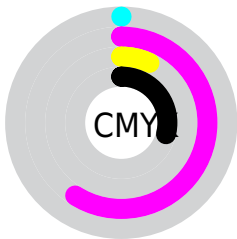
Distribution



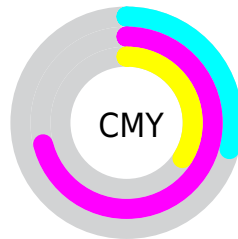
- Red (71%)
- Green (29%)
- Blue (66%)



- Red (71%)
- Yellow (29%)
- Blue (66%)



- Cyan (0%)
- Magenta (59%)
- Yellow (7%)
- Black (29%)





- Cyan (29%)
- Magenta (71%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.5727, 17.5485, 38.9270 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 28.5727, 17.5485, 38.9270 by changing the saturation by 10% instead.

 28.5727, 17.5485,
38.9270


 28.5727, 17.5485,
38.9270


287.2242,
238.3137, 356.9967


 18.9005, 10.6263,
26.3955


 56.7998, 39.2665,
74.7459


 11.7020, 5.8162,
16.8914


 76.0853, 54.8310,
98.8704


 6.6118, 2.7336,
9.9959


 99.3060, 74.0452,
127.6964

 3.2647, 0.9943,
5.2907

 126.8272, 97.2934,
161.6423

 1.2952, 0.0000,
2.3571

 159.0143,
124.9599, 201.1268

 0.1797, 0.0000,
0.7629

196.2326,

 0.0000, 0.0000,

157.4292, 246.5683

0.0000

238.8474,
195.0857, 298.3855

■ 28.5727, 17.5485,
38.9270

■ 28.5727, 17.5485,
38.9270

■ 27.3305, 15.3889,
37.5107

■ 30.1671, 20.4063,
40.4781

■ 26.4081, 13.8636,
36.2178

■ 32.1392, 24.0141,
42.1721

■ 25.7698, 12.9013,
35.0367

■ 34.5138, 28.4215,
44.0176

■ 25.3493, 12.3690,
33.9449

■ 37.3134, 33.6732,
46.0221

■ 25.3150, 12.3273,
33.8499

■ 40.5588, 39.8108,
48.1926

■ 44.2692, 46.8728,
50.5356

■ 48.4629, 54.8956,
53.0573

■ 53.1571, 63.9138,
55.7635

■ 58.3681, 73.9599,
58.6597

Harmonies

Analogous

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



23.2243, 17.5485, 61.6288



28.5727, 17.5485, 38.9270



30.5667, 17.5485, 18.3256

Triad

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



28.5727, 17.5485, 38.9270



16.4041, 17.5485, 1.6348



8.8313, 17.5485, 41.1754

Complementary

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



28.5727, 17.5485, 38.9270



21.0690, 35.1923, 14.7004

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.



7.8018, 17.5485, 19.9110



28.5727, 17.5485, 38.9270



11.4964, 17.5485, 2.7256

Square

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



28.5727, 17.5485, 38.9270



22.6316, 17.5485, 2.5148



8.6514, 17.5485, 7.5035



11.8745, 17.5485, 63.3755

Rectangle

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



28.5727, 17.5485, 38.9270



29.4282, 17.5485, 9.6259



8.6514, 17.5485, 7.5035



8.2750, 17.5485, 33.3741

Sweetspot

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



28.5733, 17.5493, 38.9274



67.2689, 61.1404, 82.7284



14.6726, 10.2362, 44.9189



14.2066, 12.5883, 17.6497



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.



28.5733, 17.5493, 38.9274



48.3820, 26.6060, 66.4461



24.6011, 15.9604, 18.0099



8.8047, 8.6286, 10.4699



17.4686, 8.5050, 23.4253



0.5621, 0.2726, 0.8025

Inverse Universe

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



28.5733, 17.5493, 38.9274



48.3820, 26.6060, 66.4461



24.0811, 36.3972, 30.5617



8.8047, 8.6286, 10.4699



17.4686, 8.5050, 23.4253



0.5621, 0.2726, 0.8025

Previews

White Background



This preview shows how the XYZ color 28.5727, 17.5485, 38.9270 looks on a white background.

Color Contrast Check

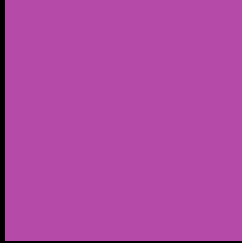
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5727, 17.5485, 38.9270 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

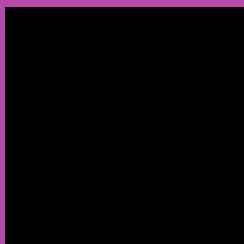
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.5727, 17.5485, 38.9270

Background



This preview shows how black text looks on a background with the XYZ color 28.5727, 17.5485, 38.9270.



This preview shows how white text looks on a background with the XYZ color 28.5727, 17.5485,

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

28.5727, 17.5485, 38.9270

Protanopia

19.8199, 17.9186, 58.2911

Deuteranopia

18.1573, 17.7182, 36.1812



Tritanopia

23.3129, 17.4394, 13.9418

Trichromacy



Original Color

28.5727, 17.5485, 38.9270



Protanomaly

20.8263, 16.2862, 50.7611



Deuteranomaly

20.6181, 16.6200, 37.2432



Tritanomaly

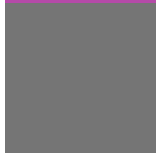
24.7911, 17.1823, 21.0787

Monochromacy



Original Color

28.5727, 17.5485, 38.9270



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

19.9128, 16.6604, 25.4588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.5727, 17.5485, 38.9270 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(181, 74, 168)` looks like.

```
.text, #text, p{  
    color:rgb(181, 74, 168)  
}
```

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(181, 74, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 74, 168) }
```

Border

The CSS property to change the border of an element to XYZ 28.5727, 17.5485, 38.9270 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(181, 74, 168) }
```


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

```
.border{ border-color:rgb(181, 74, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 74, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 74, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 74, 168);  
box-shadow:4px 4px 4px 4px rgb(181, 74,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 28.5727, 17.5485, 38.9270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 74, 168) }
```

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

```
.background{ background-color: rgb(181, 74,  
168) }
```

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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