

Converting Colors

XYZ(27.9377, 17.0337, 32.4539)

Have a look what the booklet for
XYZ(27.9377, 17.0337, 32.4539)
contains.

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Color

**XYZ(27.8531, 17.0299,
32.3909)**

Conversions

Conversions Part 1

Format	Color
Hex	B8479A
RGB	184, 71, 154
RGB Percent	72%, 28%, 60%
CMY	0.2784, 0.7215, 0.3961
CMYK	0.00, 0.61, 0.16, 0.28
HSL	316°, 44%, 50%
HSV	316°, 61%, 72%
XYZ	27.8531, 17.0299, 32.3909
YIQ	114.2490, 40.7050, 49.7690

Conversions

Conversions Part 2

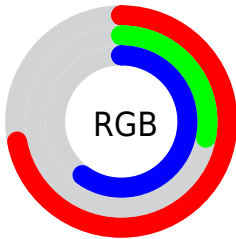
Format	Color
R_{YB}	184, 71, 154
Decimal	12076954
CIE _{Lab}	48.30, 54.96, -22.65
CIE _{LCh}	48, 59.450, 337.601
Yxy	17.0299, 0.3604, 0.2204
Android (android.graphics.Color)	4290267034 (0xFFB8479A)
YUV	114.2490, 19.5972, 61.1716
Hunter-Lab	41.2673, 48.2597, -17.6499

Details

The XYZ color **27.8531, 17.0299, 32.3909** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.0888, 36.5607, 18.2062**, and the grayscale version is **16.0041, 16.8375, 18.3361**.

A 20% lighter version of the original color is **55.5874, 38.4024, 64.8042**, and **11.3611, 5.5902, 13.3122** is the 20% darker color. If you saturate the color by 10%, you get **26.4565, 14.8744, 29.9586**, and if you desaturate by 10%, it is **29.6216, 19.9021, 35.0291**.

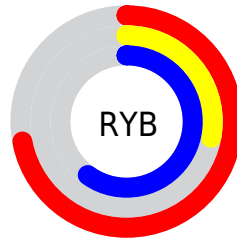
Distribution



Red (72%)

Green (28%)

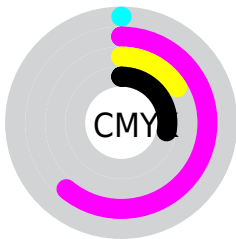
Blue (60%)



Red (72%)

Yellow (28%)

Blue (60%)

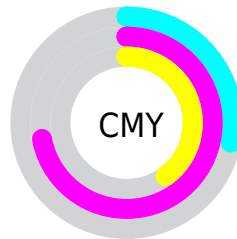


Cyan (0%)

Magenta (61%)

Yellow (16%)

Black (28%)



Cyan (28%)


Magenta (72%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.8531, 17.0299, 32.3909 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 27.8531, 17.0299, 32.3909 by changing the saturation by 10% instead.

 27.8531, 17.0299,
32.3909


 27.8531, 17.0299,
32.3909


283.8571,
235.3446, 327.4435


 18.3548, 10.2558,
21.3930


 55.6601, 38.3772,
64.5284

 11.3063, 5.5689,
13.2175


 74.6996, 53.7192,
86.5051


 6.3420, 2.5848,
7.4460


 97.6501, 72.6859,
112.9784

 3.0968, 0.9190,
3.6599

 124.8772, 95.6618,
144.3668

 1.2051, 0.0000,
1.4407

 156.7460,
123.0312, 181.0891

 0.1104, 0.0000,
0.1732

193.6221,

 0.0000, 0.0000,

155.1785, 223.5636

0.0000

235.8707,
192.4882, 272.2089

■ 27.8531, 17.0299,
32.3909

■ 27.8531, 17.0299,
32.3909

■ 26.4565, 14.8744,
29.9586

■ 29.6216, 19.9021,
35.0291

■ 25.3968, 13.3669,
27.7193

■ 31.7895, 23.5467,
37.8830

■ 24.6351, 12.4294,
25.6591

■ 34.3837, 28.0165,
40.9625

■ 24.1509, 11.9439,
24.0090

■ 37.4279, 33.3591,
44.2766

■ 40.9443, 39.6185,
47.8335

■ 44.9536, 46.8354,
51.6409

■ 49.4750, 55.0486,
55.7061

■ 54.5270, 64.2942,
60.0362

■ 60.1269, 74.6067,
64.6378

Harmonies

Analogous

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



23.4102, 17.0299, 53.6413



27.8531, 17.0299, 32.3909



28.8621, 17.0299, 14.8698

Triad

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



27.8531, 17.0299, 32.3909



14.8472, 17.0299, 1.9061



9.2569, 17.0299, 43.3505

Complementary

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



27.8531, 17.0299, 32.3909



22.0888, 36.5607, 18.2062

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.



7.9013, 17.0299, 22.7754



27.8531, 17.0299, 32.3909



10.6263, 17.0299, 3.5275

Square

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



27.8531, 17.0299, 32.3909



20.4888, 17.0299, 2.3766



8.3396, 17.0299, 9.3401



12.5329, 17.0299, 62.0586

Rectangle

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



27.8531, 17.0299, 32.3909



27.2832, 17.0299, 7.8709



8.3396, 17.0299, 9.3401



8.5991, 17.0299, 36.0828

Sweetspot

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



27.8537, 17.0307, 32.3912



69.7361, 63.8181, 82.2197



16.0788, 10.6349, 46.5530



14.6540, 13.0850, 17.3317



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.



27.8537, 17.0307, 32.3912



47.1553, 25.7859, 52.7138



24.2852, 15.6034, 13.6000



9.2764, 9.1209, 10.8028



16.6750, 8.2437, 16.7071



0.6120, 0.3003, 0.7160

Inverse Universe

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



27.8537, 17.0307, 32.3912



47.1553, 25.7859, 52.7138



25.7193, 38.0129, 37.3241



9.2764, 9.1209, 10.8028



16.6750, 8.2437, 16.7071



0.6120, 0.3003, 0.7160

Previews

White Background



This preview shows how the XYZ color 27.8531, 17.0299, 32.3909 looks on a white background.

Color Contrast Check

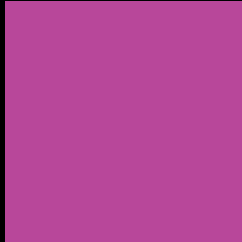
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8531, 17.0299, 32.3909 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

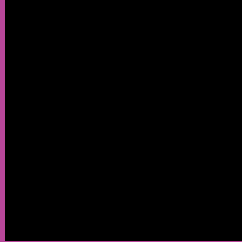
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.8531, 17.0299, 32.3909

Background



This preview shows how black text looks on a background with the XYZ color 27.8531, 17.0299, 32.3909.



This preview shows how white text looks on a background with the XYZ color 27.8531, 17.0299,

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

27.8531, 17.0299, 32.3909

Protanopia

18.7125, 17.3765, 49.3815

Deuteranopia

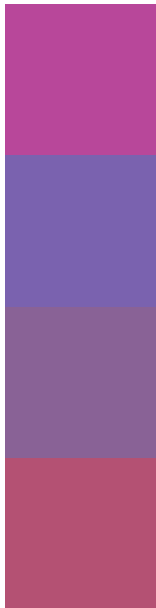
17.6020, 17.2318, 30.0021



Tritanopia

23.7441, 17.0717, 12.3996

Trichromacy



Original Color

27.8531, 17.0299, 32.3909

Protanomaly

20.1316, 15.9681, 42.5785

Deuteranomaly

20.1892, 16.2557, 30.9277

Tritanomaly

24.8593, 16.8260, 18.1572

Monochromacy



Original Color

27.8531, 17.0299, 32.3909

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

18.9776, 15.8093, 22.8202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8531, 17.0299, 32.3909 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(184, 71, 154)` looks like.

```
.text, #text, p{  
    color:rgb(184, 71, 154)  
}
```

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(184, 71, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 71, 154) }
```

Border

The CSS property to change the border of an element to XYZ 27.8531, 17.0299, 32.3909 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(184, 71, 154) }
```


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

```
.border{ border-color:rgb(184, 71, 154) }
```

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

Here you see how a box with a 4 pixel rgb(184, 71, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 71, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 71, 154);  
box-shadow:4px 4px 4px 4px rgb(184, 71,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8531, 17.0299, 32.3909 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 71, 154) }
```

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

```
.background{ background-color: rgb(184, 71,  
154) }
```

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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