

Converting Colors

XYZ(27.6774, 17.0133, 32.1350)

Have a look what the booklet for
XYZ(27.6774, 17.0133, 32.1350)
contains.

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Color

**XYZ(27.5956, 17.0019,
31.9642)**

Conversions

Conversions Part 1

Format	Color
Hex	B74899
RGB	183, 72, 153
RGB Percent	72%, 28%, 60%
CMY	0.2823, 0.7176, 0.4000
CMYK	0.00, 0.61, 0.16, 0.28
HSL	316°, 44%, 50%
HSV	316°, 61%, 72%
XYZ	27.5956, 17.0019, 31.9642
YIQ	114.4230, 40.1550, 48.7230

Conversions

Conversions Part 2

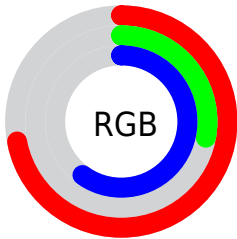
Format	Color
RYB	183, 72, 153
Decimal	12011673
CIELab	48.26, 54.09, -22.13
CIELCh	48, 58.440, 337.753
Yxy	17.0019, 0.3604, 0.2221
Android (android.graphics.Color)	4290201753 (0xFFB74899)
YUV	114.4230, 19.0185, 60.1420
Hunter-Lab	41.2334, 47.3035, -17.0984

Details

The XYZ color **27.5956, 17.0019, 31.9642** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **22.0051, 36.2047, 18.4003**, and the grayscale version is **16.0581, 16.8944, 18.3980**.

A 20% lighter version of the original color is **55.1216, 38.1765, 64.1381**, and **11.2049, 5.5799, 13.0568** is the 20% darker color. If you saturate the color by 10%, you get **26.1837, 14.8182, 29.5196**, and if you desaturate by 10%, it is **29.3776, 19.8981, 34.6160**.

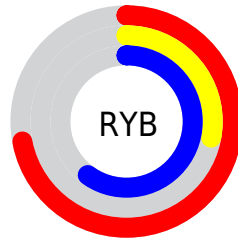
Distribution



Red (72%)

Green (28%)

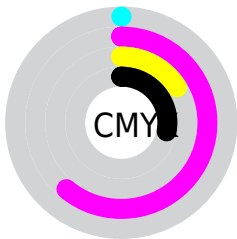
Blue (60%)



Red (72%)

Yellow (28%)

Blue (60%)

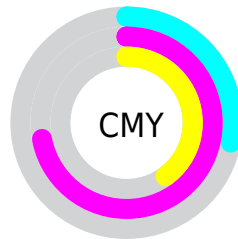


Cyan (0%)

Magenta (61%)

Yellow (16%)

Black (28%)



Cyan (28%)


Magenta (72%)


Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.5956, 17.0019, 31.9642 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 27.5956, 17.0019, 31.9642 by changing the saturation by 10% instead.


 27.5956, 17.0019,
31.9642


 27.5956, 17.0019,
31.9642


282.6447,
235.1833, 325.4438


 18.1599, 10.2358,
21.0696


 55.2513, 38.3290,
63.8522


 11.1653, 5.5556,
12.9831


 74.2021, 53.6589,
85.6827


 6.2462, 2.5768,
7.2863


 97.0553, 72.6122,
111.9955

 3.0374, 0.9150,
3.5607

 124.1762, 95.5733,
143.2092

 1.1736, 0.0000,
1.3876

 155.9303,
122.9265, 179.7424

 0.0854, 0.0000,
0.1320

192.6828,

 0.0000, 0.0000,

155.0563, 222.0135

0.0000

234.7992,
192.3472, 270.4411

■ 27.5956, 17.0019,
31.9642

■ 27.5956, 17.0019,
31.9642

■ 26.1837, 14.8182,
29.5196

■ 29.3776, 19.8981,
34.6160

■ 25.1078, 13.2799,
27.2694

■ 31.5566, 23.5612,
37.4846

■ 24.3299, 12.3112,
25.2001

■ 34.1587, 28.0429,
40.5797

■ 23.7996, 11.7758,
23.4044

■ 37.2076, 33.3899,
43.9102

■ 40.7248, 39.6453,
47.4842

■ 44.7306, 46.8493,
51.3094

■ 49.2441, 55.0397,
55.3931

■ 54.2832, 64.2522,
59.7420

■ 59.8652, 74.5207,
64.3629

Harmonies

Analogous

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



23.2659, 17.0019, 52.6738



27.5956, 17.0019, 31.9642



28.5608, 17.0019, 14.8348

Triad

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



27.5956, 17.0019, 31.9642



14.8188, 17.0019, 2.0139



9.3468, 17.0019, 42.8625

Complementary

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



27.5956, 17.0019, 31.9642



22.0051, 36.2047, 18.4003

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.



7.9961, 17.0019, 22.7519



27.5956, 17.0019, 31.9642



10.6716, 17.0019, 3.6677

Square

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



27.5956, 17.0019, 31.9642



20.3497, 17.0019, 2.4819



8.4213, 17.0019, 9.4893



12.5885, 17.0019, 61.0143

Rectangle

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



27.5956, 17.0019, 31.9642



27.0065, 17.0019, 7.9476



8.4213, 17.0019, 9.4893



8.6931, 17.0019, 35.7775

Sweetspot

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



27.5962, 17.0027, 31.9645



68.0445, 62.2901, 80.1098



16.2998, 10.8561, 46.0365



14.6469, 13.0821, 17.2944



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.



27.5962, 17.0027, 31.9645



46.1438, 25.4340, 51.3980



24.0464, 15.5828, 13.2720



9.2745, 9.1202, 10.7931



16.6326, 8.2268, 16.4842



0.6107, 0.2998, 0.7096

Inverse Universe

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



27.5962, 17.0027, 31.9645



46.1438, 25.4340, 51.3980



25.7011, 37.6830, 37.8629



9.2745, 9.1202, 10.7931



16.6326, 8.2268, 16.4842



0.6107, 0.2998, 0.7096

Previews

White Background



This preview shows how the XYZ color 27.5956, 17.0019, 31.9642 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 27.5956, 17.0019, 31.9642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

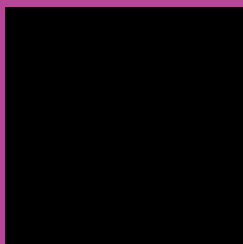
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 27.5956, 17.0019, 31.9642

Background



This preview shows how black text looks on a background with the XYZ color 27.5956, 17.0019, 31.9642.



This preview shows how white text looks on a background with the XYZ color 27.5956, 17.0019,

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

27.5956, 17.0019, 31.9642

Protanopia

18.5926, 17.3393, 48.2658

Deuteranopia

17.6020, 17.2318, 30.0021



Tritanopia

23.5154, 16.9538, 12.3889

Trichromacy



Original Color

27.5956, 17.0019, 31.9642

Protanomaly

19.9365, 15.8901, 41.5515

Deuteranomaly

20.1090, 16.2237, 30.5054

Tritanomaly

24.7022, 16.8561, 18.1713

Monochromacy



Original Color

27.5956, 17.0019, 31.9642

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.0056, 15.9712, 22.5031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.5956, 17.0019, 31.9642 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(183, 72, 153)` looks like.

```
.text, #text, p{  
    color:rgb(183, 72, 153)  
}
```

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(183, 72, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 72, 153) }
```

Border

The CSS property to change the border of an element to XYZ 27.5956, 17.0019, 31.9642 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(183, 72, 153) }
```


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

```
.border{ border-color:rgb(183, 72, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 72, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 72, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 72, 153);  
box-shadow:4px 4px 4px 4px rgb(183, 72,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 27.5956, 17.0019, 31.9642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 72, 153) }
```

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

```
.background{ background-color: rgb(183, 72,  
153) }
```

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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