

Converting Colors

XYZ(27.3470, 18.8414, 18.7911)

Have a look what the booklet for
XYZ(27.3470, 18.8414, 18.7911)
contains.

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Color

**XYZ(27.2996, 18.7687,
18.7069)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5774
RGB	188, 87, 116
RGB Percent	74%, 34%, 45%
CMY	0.2627, 0.6588, 0.5451
CMYK	0.00, 0.54, 0.38, 0.26
HSL	343°, 43%, 54%
HSV	343°, 54%, 74%
XYZ	27.2996, 18.7687, 18.7069
YIQ	120.5050, 50.8870, 30.4310

Conversions

Conversions Part 2

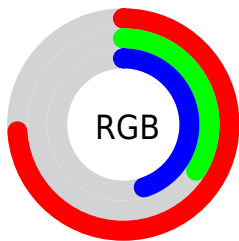
Format	Color
R_{YB}	188, 87, 116
Decimal	12343156
CIE _{Lab}	50.42, 43.62, 3.33
CIE _{LCh}	50, 43.748, 4.359
Yxy	18.7687, 0.4215, 0.2898
Android (android.graphics.Color)	4290533236 (0xFFBC5774)
YUV	120.5050, -2.2210, 59.1931
Hunter-Lab	43.3229, 36.6655, 4.7245

Details

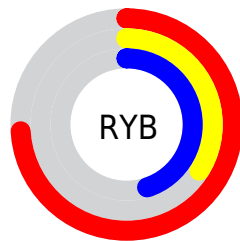
The XYZ color **27.2996, 18.7687, 18.7069** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **28.1727, 40.4963, 39.1349**, and the grayscale version is **18.0105, 18.9485, 20.6349**.

A 20% lighter version of the original color is **54.8037, 41.3575, 42.1401**, and **10.9755, 6.3867, 6.1231** is the 20% darker color. If you saturate the color by 10%, you get **25.2467, 15.8218, 14.4497**, and if you desaturate by 10%, it is **29.8624, 22.5552, 23.6894**.

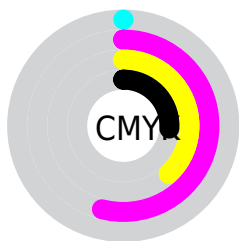
Distribution



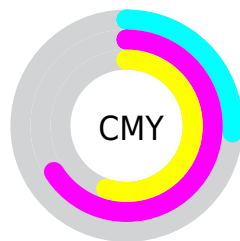
- Red (74%)
- Green (34%)
- Blue (45%)



- Red (74%)
- Yellow (34%)
- Blue (45%)



- Cyan (0%)
- Magenta (54%)
- Yellow (38%)
- Black (26%)



- Cyan (26%)
- Magenta (66%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2996, 18.7687, 18.7069 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 27.2996, 18.7687, 18.7069 by changing the saturation by 10% instead.

■ 27.2996, 18.7687,
18.7069

■ 27.2996, 18.7687,
18.7069

281.2460,
245.1689, 257.1945

■ 17.9361, 11.5033,
11.2840

■ 54.7808, 41.3429,
42.0683

■ 11.0035, 6.4064,
6.1416

■ 73.6291, 57.4204,
58.8439

■ 6.1365, 3.0937,
2.8612

■ 96.3699, 77.2041,
79.5742

■ 2.9697, 1.1809,
1.0242

■ 123.3683,
101.0784, 104.6777

■ 1.1378, 0.0460,
0.0000

154.9897,
129.4276, 134.5729

■ 0.0564, 0.0000,
0.0000

191.5996,

■ 0.0000, 0.0000,

162.6362, 169.6784

0.0000

233.5632,
201.0884, 210.4128

■ 27.2996, 18.7687,
18.7069

■ 27.2996, 18.7687,
18.7069

■ 25.2467, 15.8218,
14.4497

■ 29.8624, 22.5552,
23.6894

■ 23.6658, 13.6466,
10.8810

■ 32.9661, 27.2363,
29.4292

■ 22.5161, 12.1698,
7.9621

■ 36.6409, 32.8657,
35.9577

■ 21.7484, 11.3017,
5.6490

■ 40.9146, 39.4922,
43.3040

■ 21.4042, 10.9574,
4.4737

■ 45.8127, 47.1609,
51.4957

■ 51.3596, 55.9145,
60.5590

■ 57.5781, 65.7931,
70.5193

■ 64.4900, 76.8347,
81.4004

■ 71.7302, 88.3038,
93.0970

Harmonies

Analogous

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



26.2746, 18.7687, 32.3396



27.2996, 18.7687, 18.7069



25.4781, 18.7687, 9.8623

Triad

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



27.2996, 18.7687, 18.7069



13.6100, 18.7687, 6.5574



14.5289, 18.7687, 49.6596

Complementary

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



27.2996, 18.7687, 18.7069



28.1727, 40.4963, 39.1349

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.



11.9035, 18.7687, 36.7101



27.2996, 18.7687, 18.7069



11.4352, 18.7687, 11.8836

Square

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



27.2996, 18.7687, 18.7069



17.2247, 18.7687, 4.8483



10.8638, 18.7687, 22.2683



18.4679, 18.7687, 53.8172

Rectangle

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



27.2996, 18.7687, 18.7069



23.0417, 18.7687, 6.6993



10.8638, 18.7687, 22.2683



13.4852, 18.7687, 45.9927

Sweetspot

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



27.3001, 18.7697, 18.7072



72.0776, 68.3455, 74.9548



26.5277, 17.6871, 49.5927



15.1505, 14.1547, 15.5204



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



27.3001, 18.7697, 18.7072



45.3278, 28.0734, 25.2590



27.7386, 21.9377, 11.7905



9.6398, 9.5802, 10.4921



14.6014, 7.4717, 3.1947



0.6012, 0.3044, 0.2793

Inverse Universe

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



27.3001, 18.7697, 18.7072



45.3278, 28.0734, 25.2590



26.9741, 33.5892, 52.6386



9.6398, 9.5802, 10.4921



14.6014, 7.4717, 3.1947



0.6012, 0.3044, 0.2793

Previews

White Background



This preview shows how the XYZ color 27.2996, 18.7687, 18.7069 looks on a white background.

Color Contrast Check

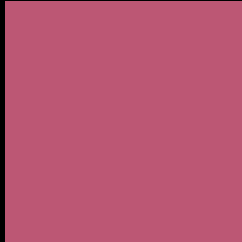
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 27.2996, 18.7687, 18.7069 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 27.2996, 18.7687, 18.7069

Background



This preview shows how black text looks on a background with the XYZ color 27.2996, 18.7687, 18.7069.



This preview shows how white text looks on a background with the XYZ color 27.2996, 18.7687,

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

27.2996, 18.7687, 18.7069

Protanopia

18.5609, 19.0338, 25.6173

Deuteranopia

19.2680, 18.8727, 17.6662



Tritanopia

26.1485, 18.7843, 13.5568

Trichromacy



Original Color

27.2996, 18.7687, 18.7069

Protanomaly

20.5865, 18.1233, 22.8352

Deuteranomaly

21.5498, 18.2640, 18.0123

Tritanomaly

26.6484, 18.8766, 15.3357

Monochromacy



Original Color

27.2996, 18.7687, 18.7069

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

20.4755, 18.2889, 19.9037

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2996, 18.7687, 18.7069 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(188, 87, 116)` looks like.

```
.text, #text, p{  
    color:rgb(188, 87, 116)  
}
```

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(188, 87, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 87, 116) }
```

Border

The CSS property to change the border of an element to XYZ 27.2996, 18.7687, 18.7069 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(188, 87, 116) }
```


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

```
.border{ border-color:rgb(188, 87, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 87, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 87, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 87, 116);  
box-shadow:4px 4px 4px 4px rgb(188, 87,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2996, 18.7687, 18.7069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 87, 116) }
```

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

```
.background{ background-color: rgb(188, 87,  
116) }
```

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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