

Converting Colors

XYZ(28.5558, 18.4225, 30.3166)

Have a look what the booklet for
XYZ(28.5558, 18.4225, 30.3166)
contains.

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Color

**XYZ(28.6169, 18.4939,
30.4952)**

Conversions

Conversions Part 1

Format	Color
Hex	BA5195
RGB	186, 81, 149
RGB Percent	73%, 32%, 58%
CMY	0.2706, 0.6823, 0.4157
CMYK	0.00, 0.56, 0.20, 0.27
HSL	321°, 43%, 52%
HSV	321°, 56%, 73%
XYZ	28.6169, 18.4939, 30.4952
YIQ	120.1470, 40.7520, 43.4080

Conversions

Conversions Part 2

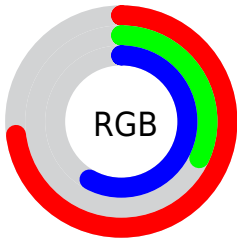
Format	Color
R_{YB}	186, 81, 149
Decimal	12210581
CIE _{Lab}	50.09, 50.25, -16.91
CIE _{LCh}	50, 53.016, 341.404
Yxy	18.4939, 0.3687, 0.2383
Android (android.graphics.Color)	4290400661 (0xFFBA5195)
YUV	120.1470, 14.2245, 57.7531
Hunter-Lab	43.0045, 43.5229, -11.9403

Details

The XYZ color **28.6169, 18.4939, 30.4952** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **24.2231, 38.1756, 23.2332**, and the grayscale version is **17.8471, 18.7766, 20.4477**.

A 20% lighter version of the original color is **56.7517, 40.8728, 61.3980**, and **11.7372, 6.2809, 12.1490** is the 20% darker color. If you saturate the color by 10%, you get **26.9106, 15.8951, 27.4168**, and if you desaturate by 10%, it is **30.7323, 21.8633, 33.8556**.

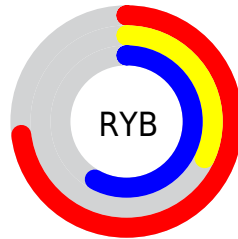
Distribution



Red (73%)

Green (32%)

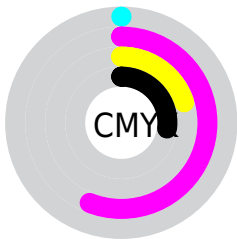
Blue (58%)



Red (73%)

Yellow (32%)

Blue (58%)

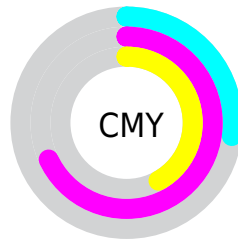


Cyan (0%)

Magenta (56%)

Yellow (20%)

Black (27%)



Cyan (27%)

Magenta (68%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6169, 18.4939, 30.4952 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 28.6169, 18.4939, 30.4952 by changing the saturation by 10% instead.

■ 28.6169, 18.4939,
30.4952

■ 28.6169, 18.4939,
30.4952

287.4300,
243.6404, 318.4848

■ 18.9340, 11.3052,
19.9595

■ 56.8696, 40.8771,
61.5147

■ 11.7263, 6.2725,
12.1818

■ 76.1702, 56.8404,
82.8355

■ 6.6285, 3.0115,
6.7436

■ 99.4074, 76.4974,
108.5886

■ 3.2751, 1.1377,
3.2263

■ 126.9466,
100.2323, 139.1923

■ 1.3009, 0.0099,
1.2113

■ 159.1531,
128.4297, 175.0652

■ 0.1839, 0.0000,
0.0000

196.3922,

■ 0.0000, 0.0000,

161.4739, 216.6259

0.0000

239.0294,
199.7493, 264.2929

■ 28.6169, 18.4939,
30.4952

■ 28.6169, 18.4939,
30.4952

■ 26.9106, 15.8951,
27.4168

■ 30.7323, 21.8633,
33.8556

■ 25.5794, 14.0005,
24.6063

■ 33.2838, 26.0571,
37.5089

■ 24.5867, 12.7372,
22.0491

■ 36.2978, 31.1273,
41.4662

■ 23.8830, 12.0071,
19.7263

■ 39.7982, 37.1209,
45.7377

■ 23.6676, 11.8063,
18.9456

■ 43.8071, 44.0816,
50.3330

■ 48.3452, 52.0501,
55.2612

■ 53.4323, 61.0649,
60.5307

■ 59.0867, 71.1625,
66.1499

■ 65.3263, 82.3776,
72.1266

Harmonies

Analogous

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



24.9004, 18.4939, 49.4316



28.6169, 18.4939, 30.4952



29.0601, 18.4939, 15.0747

Triad

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



28.6169, 18.4939, 30.4952



15.7079, 18.4939, 3.2403



11.1965, 18.4939, 45.0327

Complementary

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



28.6169, 18.4939, 30.4952



24.2231, 38.1756, 23.2332

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.



9.6059, 18.4939, 26.2214



28.6169, 18.4939, 30.4952



11.8533, 18.4939, 5.5561

Square

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



28.6169, 18.4939, 30.4952



20.8969, 18.4939, 3.5178



9.8204, 18.4939, 12.4378



14.6304, 18.4939, 60.2506

Rectangle

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



28.6169, 18.4939, 30.4952



27.3554, 18.4939, 8.7547



9.8204, 18.4939, 12.4378



10.4615, 18.4939, 38.6203

Sweetspot

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



28.6175, 18.4948, 30.4956



71.5734, 66.3131, 82.2352



19.2436, 13.2653, 48.0007



15.4674, 14.0970, 17.7578



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.



28.6175, 18.4948, 30.4956



48.0669, 27.7714, 48.2843



25.3389, 17.1834, 13.2307



9.2429, 9.1075, 10.6265



15.9594, 7.9575, 12.9387



0.5908, 0.2918, 0.6046

Inverse Universe

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



28.6175, 18.4948, 30.4956



48.0669, 27.7714, 48.2843



28.2323, 39.7793, 44.3450



9.2429, 9.1075, 10.6265



15.9594, 7.9575, 12.9387



0.5908, 0.2918, 0.6046

Previews

White Background



This preview shows how the XYZ color 28.6169, 18.4939, 30.4952 looks on a white background.

Color Contrast Check

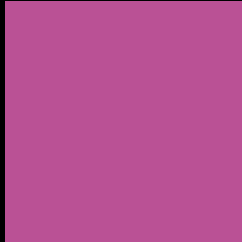
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6169, 18.4939, 30.4952 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

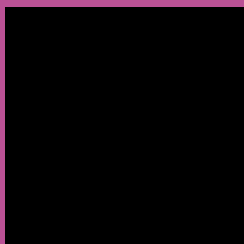
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.6169, 18.4939, 30.4952

Background



This preview shows how black text looks on a background with the XYZ color 28.6169, 18.4939, 30.4952.



This preview shows how white text looks on a background with the XYZ color 28.6169, 18.4939,

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

28.6169, 18.4939, 30.4952

Protanopia

19.5704, 18.8008, 43.6717

Deuteranopia

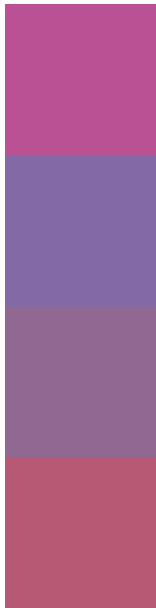
19.0649, 18.6988, 28.5910



Tritanopia

25.1353, 18.3789, 14.0271

Trichromacy



Original Color

28.6169, 18.4939, 30.4952

Protanomaly

21.2946, 17.6816, 38.3669

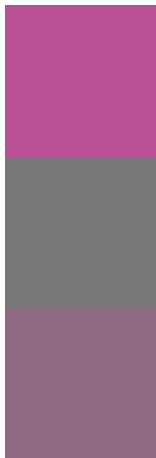
Deuteranomaly

21.5627, 17.8743, 29.1017

Tritanomaly

26.2290, 18.3311, 18.9855

Monochromacy



Original Color

28.6169, 18.4939, 30.4952

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

20.7524, 17.8761, 23.8294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6169, 18.4939, 30.4952 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(186, 81, 149)` looks like.

```
.text, #text, p{  
    color:rgb(186, 81, 149)  
}
```

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(186, 81, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 81, 149) }
```

Border

The CSS property to change the border of an element to XYZ 28.6169, 18.4939, 30.4952 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(186, 81, 149) }
```


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

```
.border{ border-color:rgb(186, 81, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 81, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 81, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 81, 149);  
box-shadow:4px 4px 4px 4px rgb(186, 81,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6169, 18.4939, 30.4952 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 81, 149) }
```

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

```
.background{ background-color: rgb(186, 81,  
149) }
```

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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