

Converting Colors

XYZ(28.9540, 18.8661, 29.5759)

Have a look what the booklet for
XYZ(28.9540, 18.8661, 29.5759)
contains.

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Color

**XYZ(29.0988, 18.9845,
29.7345)**

Conversions

Conversions Part 1

Format	Color
Hex	BC5393
RGB	188, 83, 147
RGB Percent	74%, 33%, 58%
CMY	0.2627, 0.6745, 0.4235
CMYK	0.00, 0.56, 0.22, 0.26
HSL	323°, 44%, 53%
HSV	323°, 56%, 74%
XYZ	29.0988, 18.9845, 29.7345
YIQ	121.6910, 42.0360, 42.1640

Conversions

Conversions Part 2

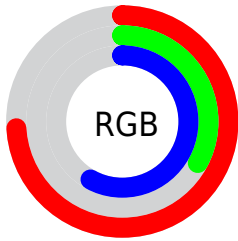
Format	Color
R _Y B	188, 83, 147
Decimal	12342163
CIE _{Lab}	50.67, 49.62, -14.81
CIE _{LCh}	51, 51.785, 343.382
Y _{xy}	18.9845, 0.3739, 0.2440
Android (android.graphics.Color)	4290532243 (0xFFBC5393)
Y _{UV}	121.6910, 12.4773, 58.1530
Hunter-Lab	43.5712, 42.9607, -9.9617

Details

The XYZ color **29.0988, 18.9845, 29.7345** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **25.1896, 39.2613, 25.3212**, and the grayscale version is **18.3498, 19.3054, 21.0236**.

A 20% lighter version of the original color is **57.4943, 41.7012, 60.2772**, and **12.0190, 6.5339, 11.6940** is the 20% darker color. If you saturate the color by 10%, you get **27.2927, 16.2649, 26.3804**, and if you desaturate by 10%, it is **31.3327, 22.5006, 33.4130**.

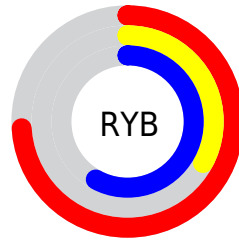
Distribution



Red (74%)

Green (33%)

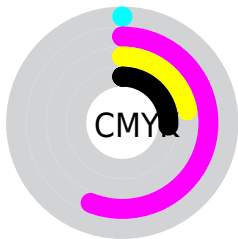
Blue (58%)



Red (74%)

Yellow (33%)

Blue (58%)

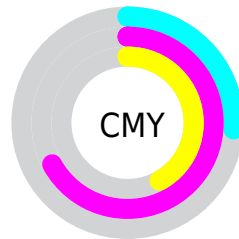


Cyan (0%)

Magenta (56%)

Yellow (22%)

Black (26%)



Cyan (26%)


Magenta (67%)


Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.0988, 18.9845, 29.7345 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 29.0988, 18.9845, 29.7345 by changing the saturation by 10% instead.

 29.0988, 18.9845,
29.7345


 29.0988, 18.9845,
29.7345


289.6666,
246.3632, 314.8336


 19.3002, 11.6591,
19.3868


 57.6305, 41.7079,
60.2981

 11.9927, 6.5120,
11.7705

 77.0943, 57.8747,
81.3511


 6.8109, 3.1588,
6.4670


 100.5106, 77.7574,
106.8096

 3.3894, 1.2152,
3.0577

 128.2448,
101.7403, 137.0921

 1.3629, 0.0741,
1.1242

 160.6621,
130.2080, 172.6172

 0.2295, 0.0000,
0.0000

198.1279,

 0.0000, 0.0000,

163.5448, 213.8035

0.0000

241.0077,
202.1350, 261.0695

■ 29.0988, 18.9845,
29.7345

■ 29.0988, 18.9845,
29.7345

■ 27.2927, 16.2649,
26.3804

■ 31.3327, 22.5006,
33.4130

■ 25.8798, 14.2740,
23.3352

■ 34.0222, 26.8680,
37.4279

■ 24.8223, 12.9374,
20.5831

■ 37.1944, 32.1399,
41.7915

■ 24.0723, 12.1602,
18.1045

■ 40.8739, 38.3646,
46.5152

■ 23.8100, 11.9198,
17.1412

■ 45.0836, 45.5865,
51.6096

■ 49.8447, 53.8476,
57.0848

■ 55.1775, 63.1872,
62.9504

■ 61.1012, 73.6427,
69.2156

■ 67.6338, 85.2496,
75.8892

Harmonies

Analogous

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



25.6080, 18.9845, 48.3498



29.0988, 18.9845, 29.7345



29.2953, 18.9845, 14.8558

Triad

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



29.0988, 18.9845, 29.7345



15.8794, 18.9845, 3.6636



11.8424, 18.9845, 46.4104

Complementary

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



29.0988, 18.9845, 29.7345



25.1896, 39.2613, 25.3212

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.



10.1206, 18.9845, 27.8344



29.0988, 18.9845, 29.7345



12.1390, 18.9845, 6.2888

Square

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



29.0988, 18.9845, 29.7345



20.9803, 18.9845, 3.7940



10.2179, 18.9845, 13.6662



15.3957, 18.9845, 60.6615

Rectangle

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



29.0988, 18.9845, 29.7345



27.4771, 18.9845, 8.7947



10.2179, 18.9845, 13.6662



11.0628, 18.9845, 40.1678

Sweetspot

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



29.0994, 18.9854, 29.7349



73.0658, 67.8073, 83.0363



20.3756, 14.0480, 49.2149



15.4147, 14.0759, 17.4803



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.



29.0994, 18.9854, 29.7349



48.8280, 28.5554, 46.5213



25.9101, 17.7097, 12.9401



9.7678, 9.6314, 11.1663



16.2483, 8.1305, 11.8671



0.6677, 0.3310, 0.6293

Inverse Universe

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



29.0994, 18.9854, 29.7349



48.8280, 28.5554, 46.5213



29.3630, 40.9307, 47.2981



9.7678, 9.6314, 11.1663



16.2483, 8.1305, 11.8671



0.6677, 0.3310, 0.6293

Previews

White Background



This preview shows how the XYZ color 29.0988, 18.9845, 29.7345 looks on a white background.

Color Contrast Check

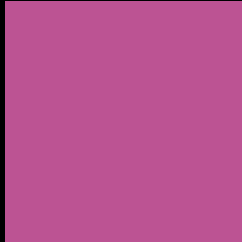
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.0988, 18.9845, 29.7345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

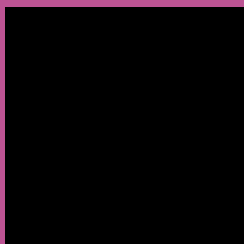
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.0988, 18.9845, 29.7345

Background



This preview shows how black text looks on a background with the XYZ color 29.0988, 18.9845, 29.7345.



This preview shows how white text looks on a background with the XYZ color 29.0988, 18.9845,

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

29.0988, 18.9845, 29.7345

Protanopia

19.8486, 19.1538, 42.1861

Deuteranopia

19.4545, 19.0909, 27.8589



Tritanopia

26.0701, 19.1159, 14.3723

Trichromacy



Original Color

29.0988, 18.9845, 29.7345



Protanomaly

21.8465, 18.1393, 37.4718



Deuteranomaly

22.0421, 18.2894, 28.3551



Tritanomaly

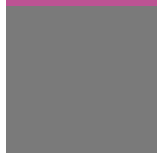
26.8746, 18.9110, 19.0634

Monochromacy



Original Color

29.0988, 18.9845, 29.7345



Achromatopsia

18.4984, 19.4618, 21.1939



Achromatomaly

21.3134, 18.4748, 23.9154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.0988, 18.9845, 29.7345 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, 83, 147)` looks like.

```
.text, #text, p{  
    color:rgb(188, 83, 147)  
}
```

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, 83, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 83, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.0988, 18.9845, 29.7345 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, 83, 147) }
```


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

```
.border{ border-color:rgb(188, 83, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 83, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 83, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 83, 147);  
box-shadow:4px 4px 4px 4px rgb(188, 83,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.0988, 18.9845, 29.7345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 83, 147) }
```

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

```
.background{ background-color: rgb(188, 83,  
147) }
```

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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