

Converting Colors

XYZ(28.3628, 18.8204, 33.6398)

Have a look what the booklet for
XYZ(28.3628, 18.8204, 33.6398)
contains.

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Color

**XYZ(28.3846, 18.8796,
33.6006)**

Conversions

Conversions Part 1

Format	Color
Hex	B5569C
RGB	181, 86, 156
RGB Percent	71%, 34%, 61%
CMY	0.2902, 0.6627, 0.3882
CMYK	0.00, 0.52, 0.14, 0.29
HSL	316°, 39%, 52%
HSV	316°, 52%, 71%
XYZ	28.3846, 18.8796, 33.6006
YIQ	122.3850, 34.1500, 41.9100

Conversions

Conversions Part 2

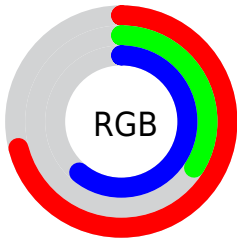
Format	Color
R_{YB}	181, 86, 156
Decimal	11884188
CIE _{Lab}	50.55, 47.37, -20.42
CIE _{LCh}	51, 51.586, 336.683
Yxy	18.8796, 0.3510, 0.2335
Android (android.graphics.Color)	4290074268 (0xFFB5569C)
YUV	122.3850, 16.5722, 51.4054
Hunter-Lab	43.4507, 40.5683, -15.4338

Details

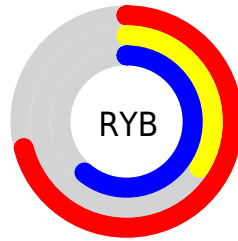
The XYZ color **28.3846, 18.8796, 33.6006** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **23.2317, 36.1745, 20.7983**, and the grayscale version is **18.5648, 19.5316, 21.2699**.

A 20% lighter version of the original color is **56.5871, 41.5191, 66.6595**, and **11.6705, 6.4886, 14.0019** is the 20% darker color. If you saturate the color by 10%, you get **26.7228, 16.1886, 31.0955**, and if you desaturate by 10%, it is **30.4293, 22.3105, 36.3117**.

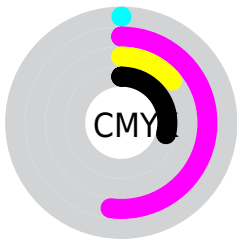
Distribution



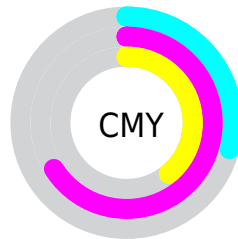
- Red (71%)
- Green (34%)
- Blue (61%)



- Red (71%)
- Yellow (34%)
- Blue (61%)



- Cyan (0%)
- Magenta (52%)
- Yellow (14%)
- Black (29%)





- Cyan (29%)
- Magenta (66%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3846, 18.8796, 33.6006 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 28.3846, 18.8796, 33.6006 by changing the saturation by 10% instead.

 28.3846, 18.8796,
33.6006


 28.3846, 18.8796,
33.6006

286.3470,
245.7833, 333.0621


 18.7577, 11.5833,
22.3121


 56.5023, 41.5306,
66.4389


 11.5983, 6.4606,
13.8859


 75.7237, 57.6540,
88.8257


 6.5410, 3.1271,
7.9035


 98.8741, 77.4886,
115.7490

 3.2205, 1.1985,
3.9464

 126.3187,
101.4188, 147.6274

 1.2714, 0.0605,
1.5960

 158.4230,
129.8290, 184.8793

 0.1617, 0.0000,
0.2879

195.5522,

 0.0000, 0.0000,

163.1035, 227.9234

0.0000

238.0718,
201.6268, 277.1781

■ 28.3846, 18.8796,
33.6006

■ 28.3846, 18.8796,
33.6006

■ 26.7228, 16.1886,
31.0955

■ 30.4293, 22.3105,
36.3117

■ 25.4138, 14.1785,
28.7850

■ 32.8806, 26.5291,
39.2372

■ 24.4256, 12.7853,
26.6577

■ 35.7622, 31.5826,
42.3858

■ 23.7196, 11.9320,
24.6999

■ 39.0955, 37.5132,
45.7656

■ 23.3153, 11.5275,
23.3195

■ 42.9004, 44.3608,
49.3841

■ 47.1958, 52.1625,
53.2483

■ 51.9992, 60.9533,
57.3649

■ 57.3274, 70.7666,
61.7404

■ 63.1966, 81.6343,
66.3807

Harmonies

Analogous

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



24.3718, 18.8796, 51.7738



28.3846, 18.8796, 33.6006



29.3801, 18.8796, 17.4957

Triad

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



28.3846, 18.8796, 33.6006



16.8412, 18.8796, 3.4848



11.2463, 18.8796, 41.9679

Complementary

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



28.3846, 18.8796, 33.6006



23.2317, 36.1745, 20.7983

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.



9.9440, 18.8796, 23.9553



28.3846, 18.8796, 33.6006



12.7599, 18.8796, 5.3746

Square

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



28.3846, 18.8796, 33.6006



22.0559, 18.8796, 4.1602



10.4411, 18.8796, 11.4190



14.3787, 18.8796, 57.9798

Rectangle

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



28.3846, 18.8796, 33.6006



28.0595, 18.8796, 10.4502



10.4411, 18.8796, 11.4190



10.6096, 18.8796, 35.6908

Sweetspot

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



28.3852, 18.8805, 33.6010



67.6625, 62.9768, 79.6247



18.0685, 13.2918, 45.3297



14.3631, 13.1468, 16.9453



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



28.3852, 18.8805, 33.6010



47.4513, 28.3506, 55.0192



25.1855, 17.6006, 16.7515



8.7526, 8.6078, 10.1958



16.1026, 7.9586, 16.2321



0.5291, 0.2594, 0.6289

Inverse Universe

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



28.3852, 18.8805, 33.6010



47.4513, 28.3506, 55.0192



26.4695, 37.4697, 37.8484



8.7526, 8.6078, 10.1958



16.1026, 7.9586, 16.2321



0.5291, 0.2594, 0.6289

Previews

White Background



This preview shows how the XYZ color 28.3846, 18.8796, 33.6006 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 28.3846, 18.8796, 33.6006 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

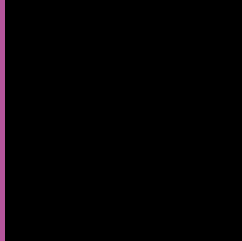
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 28.3846, 18.8796, 33.6006

Background



This preview shows how black text looks on a background with the XYZ color 28.3846, 18.8796, 33.6006.



This preview shows how white text looks on a background with the XYZ color 28.3846, 18.8796,

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

28.3846, 18.8796, 33.6006

Protanopia

20.0829, 19.1825, 46.3602

Deuteranopia

19.4005, 18.9731, 31.9178



Tritanopia

24.8220, 18.9854, 15.7209

Trichromacy



Original Color

28.3846, 18.8796, 33.6006

Protanomaly

21.7573, 18.1611, 41.3884

Deuteranomaly

21.7190, 18.1834, 32.5020

Tritanomaly

26.0009, 18.9256, 21.3514

Monochromacy



Original Color

28.3846, 18.8796, 33.6006

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.0994, 18.4981, 25.0127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3846, 18.8796, 33.6006 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(181, 86, 156)` looks like.

```
.text, #text, p{  
    color:rgb(181, 86, 156)  
}
```

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(181, 86, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 86, 156) }
```

Border

The CSS property to change the border of an element to XYZ 28.3846, 18.8796, 33.6006 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(181, 86, 156) }
```


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

```
.border{ border-color:rgb(181, 86, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 86, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 86, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 86, 156);  
box-shadow:4px 4px 4px 4px rgb(181, 86,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3846, 18.8796, 33.6006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 86, 156) }
```

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

```
.background{ background-color: rgb(181, 86,  
156) }
```

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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