

Converting Colors

XYZ(27.3817, 18.5789, 33.6088)

Have a look what the booklet for
XYZ(27.3817, 18.5789, 33.6088)
contains.

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Color

**XYZ(27.3950, 18.6099,
33.6007)**

Conversions

Conversions Part 1

Format	Color
Hex	B0589C
RGB	176, 88, 156
RGB Percent	69%, 35%, 61%
CMY	0.3098, 0.6549, 0.3882
CMYK	0.00, 0.50, 0.11, 0.31
HSL	314°, 36%, 52%
HSV	314°, 50%, 69%
XYZ	27.3950, 18.6099, 33.6007
YIQ	122.0640, 30.6200, 39.8040

Conversions

Conversions Part 2

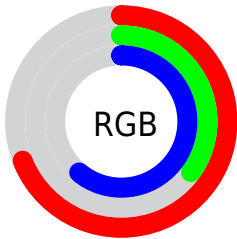
Format	Color
R _Y B	176, 88, 156
Decimal	11557020
CIE Lab	50.23, 44.82, -20.97
CIE LCh	50, 49.477, 334.927
Yxy	18.6099, 0.3441, 0.2338
Android (android.graphics.Color)	4289747100 (0xFFB0589C)
YUV	122.0640, 16.7304, 47.3019
Hunter-Lab	43.1392, 37.8606, -15.9830

Details

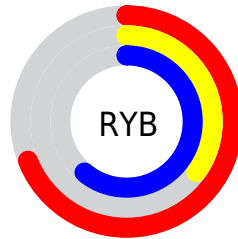
The XYZ color **27.3950, 18.6099, 33.6007** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **22.2575, 34.2087, 19.6186**, and the grayscale version is **18.4603, 19.4217, 21.1502**.

A 20% lighter version of the original color is **54.8870, 41.0765, 66.6637**, and **11.0658, 6.3466, 14.0064** is the 20% darker color. If you saturate the color by 10%, you get **25.7878, 15.9283, 31.4212**, and if you desaturate by 10%, it is **29.3633, 21.9951, 35.9559**.

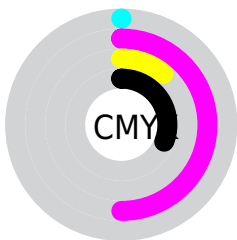
Distribution



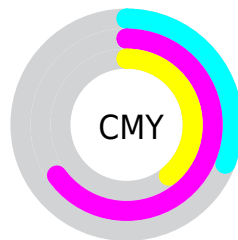
- Red (69%)
- Green (35%)
- Blue (61%)



- Red (69%)
- Yellow (35%)
- Blue (61%)



- Cyan (0%)
- Magenta (50%)
- Yellow (11%)
- Black (31%)





- Cyan (31%)
- Magenta (65%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 27.3950, 18.6099, 33.6007 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 27.3950, 18.6099, 33.6007 by changing the saturation by 10% instead.

 27.3950, 18.6099,
33.6007


 27.3950, 18.6099,
33.6007


281.6974,
244.2866, 333.0625


 18.0082, 11.3887,
22.3121


 54.9325, 41.0739,
66.4390


 11.0556, 6.3289,
13.8859


 73.8139, 57.0855,
88.8259

 6.1718, 3.0461,
7.9035


 96.5909, 76.7960,
115.7492

 2.9915, 1.1559,
3.9464

 123.6289,
100.5899, 147.6276

 1.1493, 0.0252,
1.5960

155.2932,
128.8515, 184.8796

 0.0657, 0.0000,
0.2879

191.9491,

 0.0000, 0.0000,

161.9652, 227.9237

0.0000

233.9621,
200.3155, 277.1785

■ 27.3950, 18.6099,
33.6007

■ 27.3950, 18.6099,
33.6007

■ 25.7878, 15.9283,
31.4212

■ 29.3633, 21.9951,
35.9559

■ 24.5142, 13.8968,
29.4073

■ 31.7140, 26.1274,
38.4940

■ 23.5458, 12.4580,
27.5491

■ 34.4688, 31.0497,
41.2229

■ 22.8482, 11.5435,
25.8347

■ 37.6473, 36.8010,
44.1496

■ 22.3486, 11.0078,
24.2391

■ 41.2677, 43.4176,
47.2806

■ 22.3485, 11.0077,
24.2387

■ 45.3472, 50.9337,
50.6223

■ 49.9020, 59.3817,
54.1804

■ 54.9476, 68.7922,
57.9606

■ 60.4987, 79.1947,
61.9683

Harmonies

Analogous

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



23.4937, 18.6099, 50.4400



27.3950, 18.6099, 33.6007



28.5249, 18.6099, 18.0841

Triad

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



27.3950, 18.6099, 33.6007



16.9100, 18.6099, 3.7190



11.1682, 18.6099, 39.3941

Complementary

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



27.3950, 18.6099, 33.6007



22.2575, 34.2087, 19.6186

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.



10.0161, 18.6099, 22.6103



27.3950, 18.6099, 33.6007



12.9277, 18.6099, 5.4307

Square

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



27.3950, 18.6099, 33.6007



21.8791, 18.6099, 4.5436



10.5969, 18.6099, 11.0248



14.0698, 18.6099, 54.7100

Rectangle

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



27.3950, 18.6099, 33.6007



27.4083, 18.6099, 11.0656



10.5969, 18.6099, 11.0248



10.5899, 18.6099, 33.5151

Sweetspot

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



27.3956, 18.6108, 33.6011



65.1462, 61.0608, 77.2319



17.3986, 13.2451, 42.7142



13.8660, 12.7772, 16.5031



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.3956, 18.6108, 33.6011



46.4992, 28.4467, 56.5888



24.3719, 17.4013, 17.6785



8.7657, 8.6130, 10.2648



16.4203, 8.0857, 17.9051



0.5370, 0.2625, 0.6705

Inverse Universe

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



27.3956, 18.6108, 33.6011



46.4992, 28.4467, 56.5888



25.1419, 35.3625, 34.8079



8.7657, 8.6130, 10.2648



16.4203, 8.0857, 17.9051



0.5370, 0.2625, 0.6705

Previews

White Background



This preview shows how the XYZ color 27.3950, 18.6099, 33.6007 looks on a white background.

Color Contrast Check

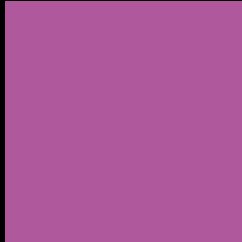
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.3950, 18.6099, 33.6007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

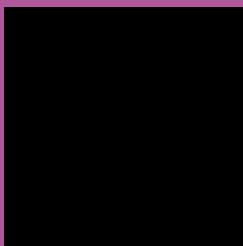
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.3950, 18.6099, 33.6007

Background



This preview shows how black text looks on a background with the XYZ color 27.3950, 18.6099, 33.6007.



This preview shows how white text looks on a background with the XYZ color 27.3950, 18.6099,

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

27.3950, 18.6099, 33.6007

Protanopia

19.7607, 18.8642, 45.2475

Deuteranopia

19.2668, 18.9042, 31.9116



Tritanopia

23.8579, 18.6222, 15.9727

Trichromacy



Original Color

27.3950, 18.6099, 33.6007

Protanomaly

21.3608, 17.9677, 40.8704

Deuteranomaly

21.4887, 18.2186, 32.5209

Tritanomaly

24.9639, 18.5239, 21.3285

Monochromacy



Original Color

27.3950, 18.6099, 33.6007

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

21.0343, 18.6239, 25.0404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3950, 18.6099, 33.6007 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(176, 88, 156)` looks like.

```
.text, #text, p{  
    color:rgb(176, 88, 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(176, 88, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 88, 156) }
```

Border

The CSS property to change the border of an element to XYZ 27.3950, 18.6099, 33.6007 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(176, 88, 156) }
```


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

```
.border{ border-color:rgb(176, 88, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 88, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 88, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 88, 156);  
box-shadow:4px 4px 4px 4px rgb(176, 88,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3950, 18.6099, 33.6007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 88, 156) }
```

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

```
.background{ background-color: rgb(176, 88,  
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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