

Converting Colors

XYZ(18.7688, 12.8497, 27.5871)

Have a look what the booklet for
XYZ(18.7688, 12.8497, 27.5871)
contains.

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Color

**XYZ(18.8017, 12.8550,
27.4769)**

Conversions

Conversions Part 1

Format	Color
Hex	8F4B8F
RGB	143, 75, 143
RGB Percent	56%, 29%, 56%
CMY	0.4392, 0.7059, 0.4392
CMYK	0.00, 0.48, 0.00, 0.44
HSL	300°, 31%, 43%
HSV	300°, 48%, 56%
XYZ	18.8017, 12.8550, 27.4769
YIQ	103.0840, 18.7000, 35.5640

Conversions

Conversions Part 2

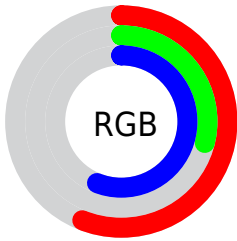
Format	Color
R_{YB}	143, 75, 143
Decimal	9390991
CIE Lab	42.54, 38.99, -25.45
CIE LCh	43, 46.559, 326.867
Yxy	12.8550, 0.3180, 0.2174
Android (android.graphics.Color)	4287581071 (0xFF8F4B8F)
YUV	103.0840, 19.6786, 35.0063
Hunter-Lab	35.8539, 30.8608, -20.3397

Details

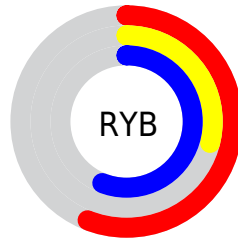
The XYZ color **18.8017, 12.8550, 27.4769** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.9947, 21.6493, 10.0985**, and the grayscale version is **12.8609, 13.5307, 14.7349**.

A 20% lighter version of the original color is **40.8276, 30.9587, 56.6471**, and **6.5938, 3.6921, 10.4903** is the 20% darker color. If you saturate the color by 10%, you get **17.9388, 11.1288, 27.1893**, and if you desaturate by 10%, it is **19.8835, 15.0183, 27.8377**.

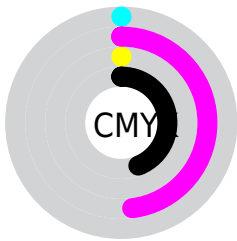
Distribution



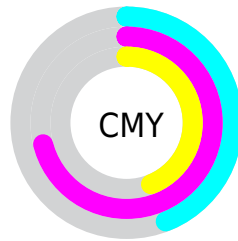
- Red (56%)
- Green (29%)
- Blue (56%)



- Red (56%)
- Yellow (29%)
- Blue (56%)



- Cyan (0%)
- Magenta (48%)
- Yellow (0%)
- Black (44%)



- Cyan (44%)
- Magenta (71%)
- Yellow (44%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8017, 12.8550, 27.4769 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 18.8017, 12.8550, 27.4769 by changing the saturation by 10% instead.

■ 18.8017, 12.8550,
27.4769

■ 18.8017, 12.8550,
27.4769

238.3110,
209.9863, 303.7917

■ 11.6302, 7.3288,
17.6961

■ 40.9182, 31.0430,
56.6612

■ 6.5628, 3.6686,
10.5649

■ 56.5940, 44.4736,
76.9018

■ 3.2341, 1.4899,
5.6646

■ 75.8352, 61.3078,
101.4661

■ 1.2787, 0.2816,
2.5767

■ 99.0073, 81.9300,
130.7726

■ 0.1672, 0.0000,
0.8804

■ 126.4756,
106.7245, 165.2399

■ 0.0000, 0.0000,
0.0000

158.6054,

136.0758, 205.2865

195.7621,
170.3683, 251.3309

■ 18.8017, 12.8550,
27.4769

■ 18.8017, 12.8550,
27.4769

■ 17.9388, 11.1288,
27.1893

■ 19.8835, 15.0183,
27.8377

■ 17.2786, 9.8086,
26.9693

■ 21.1964, 17.6440,
28.2753

■ 16.8051, 8.8615,
26.8114

■ 22.7530, 20.7572,
28.7942

■ 16.4989, 8.2492,
26.7093

■ 24.5648, 24.3809,
29.3982

■ 16.3238, 7.8989,
26.6509

■ 26.6426, 28.5365,
30.0908

■ 16.2858, 7.8229,
26.6382

■ 28.9965, 33.2443,
30.8755

■ 31.6362, 38.5235,
31.7554

■ 34.5706, 44.3924,
32.7336

■ 37.8086, 50.8684,
33.8130

Harmonies

Analogous

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



15.5365, 12.8550, 39.3593



18.8017, 12.8550, 27.4769



20.2916, 12.8550, 15.0824

Triad

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



18.8017, 12.8550, 27.4769



12.5917, 12.8550, 2.1970



7.1238, 12.8550, 24.7014

Complementary

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



18.8017, 12.8550, 27.4769



13.9947, 21.6493, 10.0985

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.



6.6331, 12.8550, 12.9648



18.8017, 12.8550, 27.4769



9.4097, 12.8550, 2.8532

Square

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



18.8017, 12.8550, 27.4769



16.3001, 12.8550, 3.2358



7.3849, 12.8550, 5.8551



8.8820, 12.8550, 37.2878

Rectangle

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



18.8017, 12.8550, 27.4769



19.9003, 12.8550, 9.0957



7.3849, 12.8550, 5.8551



6.8217, 12.8550, 20.4024

Sweetspot

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



18.8021, 12.8556, 27.4772



41.7513, 39.1819, 51.9003



10.3763, 8.5119, 27.0830



9.4347, 8.7057, 11.8553



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



18.8021, 12.8556, 27.4772



32.0369, 19.7533, 48.6619



16.6046, 11.9766, 15.9052



5.6263, 5.5110, 6.7960



14.3995, 6.9168, 23.5529



0.1377, 0.0661, 0.2252

Inverse Universe

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



18.8021, 12.8556, 27.4772



32.0369, 19.7533, 48.6619



15.4850, 22.2454, 17.9463



5.6263, 5.5110, 6.7960



14.3995, 6.9168, 23.5529



0.1377, 0.0661, 0.2252

Previews

White Background



This preview shows how the XYZ color 18.8017, 12.8550, 27.4769 looks on a white background.

Color Contrast Check

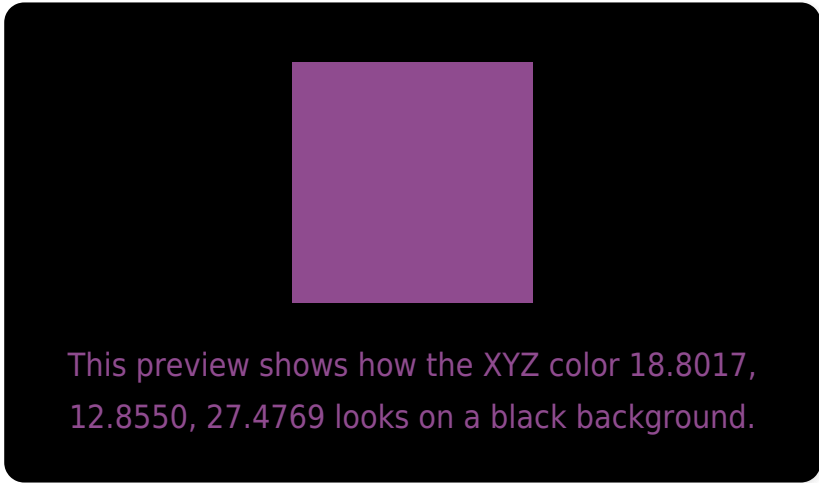
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

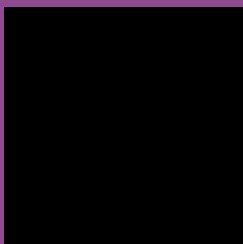
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8017, 12.8550, 27.4769

Background



This preview shows how black text looks on a background with the XYZ color 18.8017, 12.8550, 27.4769.



This preview shows how white text looks on a background with the XYZ color 18.8017, 12.8550,

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

18.8017, 12.8550, 27.4769

Protanopia

14.0532, 13.1045, 36.4391

Deuteranopia

13.3372, 13.1023, 26.2521



Tritanopia

15.7005, 12.9251, 12.0232

Trichromacy



Original Color

18.8017, 12.8550, 27.4769

Protanomaly

14.9124, 12.4220, 33.0642

Deuteranomaly

14.7814, 12.6268, 26.4691

Tritanomaly

16.6100, 12.8232, 16.6386

Monochromacy



Original Color

18.8017, 12.8550, 27.4769

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

14.6556, 12.9883, 18.8741

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8017, 12.8550, 27.4769 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(143, 75, 143)` looks like.

```
.text, #text, p{  
    color:rgb(143, 75, 143)  
}
```

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(143, 75, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 75, 143) }
```

Border

The CSS property to change the border of an element to XYZ 18.8017, 12.8550, 27.4769 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(143, 75, 143) }
```


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

```
.border{ border-color:rgb(143, 75, 143) }
```

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

Here you see how a box with a 4 pixel rgb(143, 75, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 75, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 75, 143);  
box-shadow:4px 4px 4px 4px rgb(143, 75,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8017, 12.8550, 27.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 75, 143) }
```

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

```
.background{ background-color: rgb(143, 75,  
143) }
```

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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