

Converting Colors

XYZ(18.9752, 16.9134, 32.8371)

Have a look what the booklet for
XYZ(18.9752, 16.9134, 32.8371)
contains.

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Color

**XYZ(18.9756, 16.9134,
32.8363)**

Conversions

Conversions Part 1

Format	Color
Hex	796B9A
RGB	121, 107, 154
RGB Percent	47%, 42%, 60%
CMY	0.5255, 0.5804, 0.3961
CMYK	0.21, 0.31, 0.00, 0.40
HSL	258°, 19%, 51%
HSV	258°, 31%, 60%
XYZ	18.9756, 16.9134, 32.8363
YIQ	116.5440, -6.7430, 17.5850

Conversions

Conversions Part 2

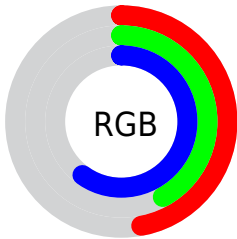
Format	Color
R_{YB}	121, 107, 154
Decimal	7957402
CIE _{Lab}	48.15, 15.72, -23.52
CIE _{LCh}	48, 28.284, 303.757
Yxy	16.9134, 0.2761, 0.2461
Android (android.graphics.Color)	4286147482 (0xFF796B9A)
YUV	116.5440, 18.4658, 3.9079
Hunter-Lab	41.1259, 10.3900, -18.5510

Details

The XYZ color **18.9756, 16.9134, 32.8363** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **25.0250, 29.7485, 18.3336**, and the grayscale version is **16.7145, 17.5849, 19.1500**.

A 20% lighter version of the original color is **41.1910, 38.0558, 65.4961**, and **6.6626, 5.5506, 13.5522** is the 20% darker color. If you saturate the color by 10%, you get **16.0796, 13.2458, 32.2813**, and if you desaturate by 10%, it is **22.3286, 21.2418, 33.4953**.

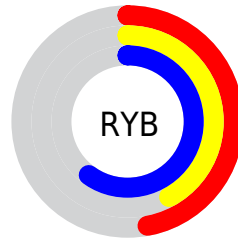
Distribution



Red (47%)

Green (42%)

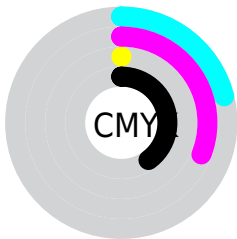
Blue (60%)



Red (47%)

Yellow (42%)

Blue (60%)

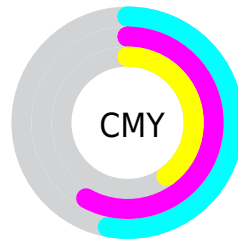


Cyan (21%)

Magenta (31%)

Yellow (0%)

Black (40%)



Cyan (53%)

Magenta (58%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9756, 16.9134, 32.8363 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 18.9756, 16.9134, 32.8363 by changing the saturation by 10% instead.

■ 18.9756, 16.9134,
32.8363

■ 18.9756, 16.9134,
32.8363

239.2547,
234.6728, 329.5208

■ 11.7566, 10.1728,
21.7310

■ 41.2101, 38.1768,
65.2329

■ 6.6491, 5.5137,
13.4629

■ 56.9562, 53.4684,
87.3613

■ 3.2880, 2.5517,
7.6136

■ 76.2754, 72.3791,
114.0012

■ 1.3078, 0.9024,
3.7645

■ 99.5330, 95.2933,
145.5710

■ 0.1891, 0.0000,
1.4971

127.0943,
122.5953, 182.4893

■ 0.0000, 0.0000,
0.2157

159.3249,

■ 0.0000, 0.0000,

154.6697, 225.1747

0.0000

196.5899,
191.9007, 274.0457

■ 18.9756, 16.9134,
32.8363

■ 18.9756, 16.9134,
32.8363

■ 16.0796, 13.2458,
32.2813

■ 22.3286, 21.2418,
33.4953

■ 13.6180, 10.2038,
31.8239

■ 26.1562, 26.2599,
34.2622

■ 11.5691, 7.7519,
31.4586

■ 30.4773, 31.9971,
35.1418

■ 9.9081, 5.8499,
31.1790

■ 35.3090, 38.4808,
36.1387

■ 8.6076, 4.4529,
30.9779

■ 40.6677, 45.7367,
37.2567

■ 7.6360, 3.5080,
30.8467

■ 46.5691, 53.7894,
38.5000

■ 6.9538, 2.9110,
30.7675

■ 53.0281, 62.6622,
39.8722

■ 60.0592, 72.3777,
41.3769

■ 67.6761, 82.9575,
43.0176

Harmonies

Analogous

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



16.4011, 16.9134, 36.4169



18.9756, 16.9134, 32.8363



20.9187, 16.9134, 25.3961

Triad

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



18.9756, 16.9134, 32.8363



18.3572, 16.9134, 8.4283



11.6385, 16.9134, 19.3571

Complementary

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



18.9756, 16.9134, 32.8363



25.0250, 29.7485, 18.3336

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.



12.0446, 16.9134, 12.8484



18.9756, 16.9134, 32.8363



15.7546, 16.9134, 7.6095

Square

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



18.9756, 16.9134, 32.8363



20.5358, 16.9134, 11.6280



13.4874, 16.9134, 8.9900



12.3132, 16.9134, 27.4347

Rectangle

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



18.9756, 16.9134, 32.8363



21.4951, 16.9134, 19.9954



13.4874, 16.9134, 8.9900



11.6536, 16.9134, 16.9217

Sweetspot

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



18.9762, 16.9141, 32.8367



48.5120, 49.0203, 62.4413



21.3749, 24.4159, 34.1582



10.7492, 10.7901, 14.0865



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.9762, 16.9141, 32.8367



30.5895, 25.7952, 58.9030



22.5605, 18.7619, 33.0044



6.0489, 6.1111, 7.7897



5.6979, 2.3884, 25.0684



0.1186, 0.0529, 0.3763

Inverse Universe

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



23.3182, 19.2794, 27.3036



39.9485, 30.9011, 46.6380



21.5707, 27.9677, 18.1720



6.3828, 6.2923, 7.3958



13.0844, 6.4880, 12.2353



0.2114, 0.1033, 0.2659

Previews

White Background



This preview shows how the XYZ color 18.9756, 16.9134, 32.8363 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



This preview shows how the XYZ color 18.9756, 16.9134, 32.8363 looks on a 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 18.9756, 16.9134, 32.8363

Background



This preview shows how black text looks on a background with the XYZ color 18.9756, 16.9134, 32.8363.



This preview shows how white text looks on a background with the XYZ color 18.9756, 16.9134,

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

18.9756, 16.9134, 32.8363

Protanopia

17.4435, 17.0456, 34.7185

Deuteranopia

17.3638, 17.0532, 32.5134



Tritanopia

16.4882, 16.8602, 20.7977

Trichromacy



Original Color

18.9756, 16.9134, 32.8363

Protanomaly

17.9546, 16.9913, 34.2316

Deuteranomaly

17.8646, 16.9838, 32.4736

Tritanomaly

17.3236, 16.8720, 24.8978

Monochromacy



Original Color

18.9756, 16.9134, 32.8363

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4056, 17.2735, 23.5358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9756, 16.9134, 32.8363 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(121, 107, 154)` looks like.

```
.text, #text, p{  
    color:rgb(121, 107, 154)  
}
```

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(121, 107, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 107, 154) }
```

Border

The CSS property to change the border of an element to XYZ 18.9756, 16.9134, 32.8363 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(121, 107, 154) }
```


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

```
.border{ border-color:rgb(121, 107, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 107, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 107, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 107, 154);  
box-shadow:4px 4px 4px 4px rgb(121, 107,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 18.9756, 16.9134, 32.8363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 107, 154) }
```

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

```
.background{ background-color: rgb(121,  
107, 154) }
```

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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