

Converting Colors

XYZ(23.4801, 18.6376, 32.0994)

Have a look what the booklet for
XYZ(23.4801, 18.6376, 32.0994)
contains.

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Color

**XYZ(23.4666, 18.6429,
32.0674)**

Conversions

Conversions Part 1

Format	Color
Hex	986798
RGB	152, 103, 152
RGB Percent	60%, 40%, 60%
CMY	0.4039, 0.5961, 0.4039
CMYK	0.00, 0.32, 0.00, 0.40
HSL	300°, 19%, 50%
HSV	300°, 32%, 60%
XYZ	23.4666, 18.6429, 32.0674
YIQ	123.2370, 13.4750, 25.6270

Conversions

Conversions Part 2

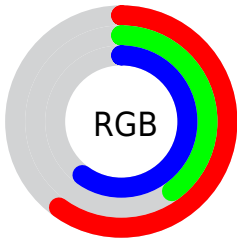
Format	Color
R_{YB}	152, 103, 152
Decimal	9987992
CIE _{Lab}	50.27, 28.04, -18.81
CIE _{LCh}	50, 33.764, 326.140
Yxy	18.6429, 0.3164, 0.2513
Android (android.graphics.Color)	4288178072 (0xFF986798)
YUV	123.2370, 14.1802, 25.2252
Hunter-Lab	43.1774, 21.4529, -13.8098

Details

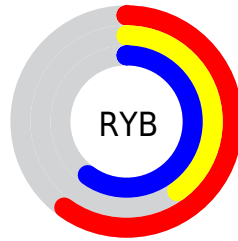
The XYZ color **23.4666, 18.6429, 32.0674** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.2707, 26.3198, 16.8975**, and the grayscale version is **18.8570, 19.8390, 21.6047**.

A 20% lighter version of the original color is **48.5940, 41.1643, 63.7768**, and **8.9707, 6.3813, 13.0708** is the 20% darker color. If you saturate the color by 10%, you get **22.0902, 15.8897, 31.6088**, and if you desaturate by 10%, it is **25.1190, 21.9474, 32.6184**.

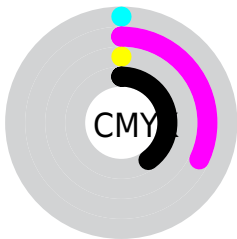
Distribution



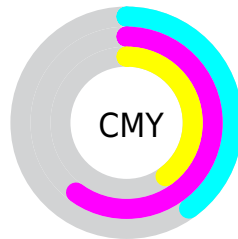
- Red (60%)
- Green (40%)
- Blue (60%)



- Red (60%)
- Yellow (40%)
- Blue (60%)



- Cyan (0%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)





- Cyan (40%)
- Magenta (60%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.4666, 18.6429, 32.0674 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 23.4666, 18.6429, 32.0674 by changing the saturation by 10% instead.

 23.4666, 18.6429,
32.0674


 23.4666, 18.6429,
32.0674


262.6034,
244.4702, 325.9283


 15.0610, 11.4125,
21.1477


 48.6194, 41.1298,
64.0159


 8.9488, 6.3450,
13.0397


 66.0973, 57.1551,
85.8818

 4.7646, 3.0560,
7.3249


 87.3300, 76.8809,
112.2335

 2.1432, 1.1610,
3.5846

 112.6829,
100.6915, 143.4896

 0.7125, 0.0295,
1.4003

142.5214,
128.9714, 180.0685

 0.0000, 0.0000,
0.1420

177.2107,

 0.0000, 0.0000,

162.1048, 222.3890

0.0000

217.1162,
200.4763, 270.8694

■ 23.4666, 18.6429,
32.0674

■ 23.4666, 18.6429,
32.0674

■ 22.0902, 15.8897,
31.6088

■ 25.1190, 21.9474,
32.6184

■ 20.9732, 13.6556,
31.2364

■ 27.0595, 25.8283,
33.2652

■ 20.0997, 11.9088,
30.9453

■ 29.3015, 30.3123,
34.0126

■ 19.4518, 10.6129,
30.7293

■ 31.8570, 35.4233,
34.8644

■ 19.0086, 9.7265,
30.5816

■ 34.7375, 41.1843,
35.8246

■ 18.7457, 9.2007,
30.4939

■ 37.9538, 47.6170,
36.8967

■ 18.6166, 8.9425,
30.4509

■ 41.5163, 54.7420,
38.0842

■ 45.4349, 62.5792,
39.3904

■ 49.7191, 71.1475,
40.8185

Harmonies

Analogous

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



20.6347, 18.6429, 41.1197



23.4666, 18.6429, 32.0674



24.7576, 18.6429, 21.5346

Triad

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



23.4666, 18.6429, 32.0674



18.1459, 18.6429, 7.1173



12.6559, 18.6429, 29.3047

Complementary

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



23.4666, 18.6429, 32.0674



19.2707, 26.3198, 16.8975

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.



12.1603, 18.6429, 19.1115



23.4666, 18.6429, 32.0674



15.0927, 18.6429, 8.0503

Square

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



23.4666, 18.6429, 32.0674



21.4563, 18.6429, 8.7221



12.9969, 18.6429, 11.8324



14.4439, 18.6429, 39.2106

Rectangle

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



23.4666, 18.6429, 32.0674



24.4670, 18.6429, 15.6959



12.9969, 18.6429, 11.8324



12.3428, 18.6429, 25.7240

Sweetspot

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



23.4672, 18.6437, 32.0678



48.5257, 47.1160, 58.9704



16.1121, 14.8520, 31.7236



10.9187, 10.4878, 13.3664



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.4672, 18.6437, 32.0678



39.5491, 29.1628, 55.9782



21.6632, 17.9221, 22.5682



6.4612, 6.3237, 7.8090



15.6095, 7.4980, 25.5322



0.2334, 0.1121, 0.3817

Inverse Universe

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



23.4672, 18.6437, 32.0678



39.5491, 29.1628, 55.9782



20.6859, 26.8859, 24.3499



6.4612, 6.3237, 7.8090



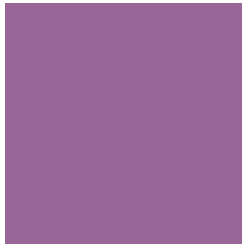
15.6095, 7.4980, 25.5322



0.2334, 0.1121, 0.3817

Previews

White Background



This preview shows how the XYZ color 23.4666, 18.6429, 32.0674 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 23.4666, 18.6429, 32.0674 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 23.4666, 18.6429, 32.0674

Background



This preview shows how black text looks on a background with the XYZ color 23.4666, 18.6429, 32.0674.



This preview shows how white text looks on a background with the XYZ color 23.4666, 18.6429,

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

23.4666, 18.6429, 32.0674

Protanopia

19.1527, 18.7270, 37.2555

Deuteranopia

19.2394, 18.9087, 31.0695



Tritanopia

20.8786, 18.6629, 19.6414

Trichromacy



Original Color

23.4666, 18.6429, 32.0674

Protanomaly

20.3315, 18.5244, 35.3049

Deuteranomaly

20.6161, 18.7581, 31.3882

Tritanomaly

21.6814, 18.5167, 23.5504

Monochromacy



Original Color

23.4666, 18.6429, 32.0674

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.3800, 19.2803, 25.2016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4666, 18.6429, 32.0674 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(152, 103, 152)` looks like.

```
.text, #text, p{  
    color:rgb(152, 103, 152)  
}
```

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(152, 103, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 103, 152) }
```

Border

The CSS property to change the border of an element to XYZ 23.4666, 18.6429, 32.0674 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(152, 103, 152) }
```


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

```
.border{ border-color:rgb(152, 103, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 103, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 103, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 103, 152);  
box-shadow:4px 4px 4px 4px rgb(152, 103,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4666, 18.6429, 32.0674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 103, 152) }
```

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

```
.background{ background-color: rgb(152,  
103, 152) }
```

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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