

Converting Colors

XYZ(22.3995, 15.7169, 18.2824)

Have a look what the booklet for
XYZ(22.3995, 15.7169, 18.2824)
contains.

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Color

**XYZ(22.3181, 15.6204,
18.3617)**

Conversions

Conversions Part 1

Format	Color
Hex	A85274
RGB	168, 82, 116
RGB Percent	66%, 32%, 45%
CMY	0.3412, 0.6784, 0.5451
CMYK	0.00, 0.51, 0.31, 0.34
HSL	336°, 34%, 49%
HSV	336°, 51%, 66%
XYZ	22.3181, 15.6204, 18.3617
YIQ	111.5900, 40.3420, 28.8060

Conversions

Conversions Part 2

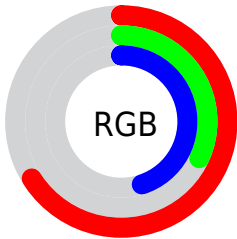
Format	Color
R_{YB}	168, 82, 116
Decimal	11031156
CIE Lab	46.47, 39.19, -2.79
CIE LCh	46, 39.289, 355.935
Yxy	15.6204, 0.3964, 0.2774
Android (android.graphics.Color)	4289221236 (0xFFA85274)
YUV	111.5900, 2.1741, 49.4716
Hunter-Lab	39.5227, 31.6328, 0.1205

Details

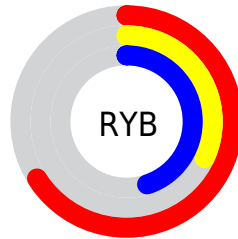
The XYZ color **22.3181, 15.6204, 18.3617** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.7862, 31.5207, 27.4919**, and the grayscale version is **15.2673, 16.0623, 17.4919**.

A 20% lighter version of the original color is **46.6443, 35.8849, 41.5138**, and **8.3434, 4.9080, 5.9764** is the 20% darker color. If you saturate the color by 10%, you get **20.6438, 13.1664, 15.0459**, and if you desaturate by 10%, it is **24.3680, 18.7221, 22.1219**.

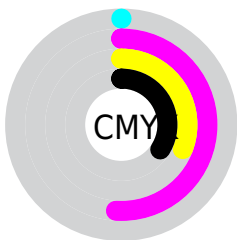
Distribution



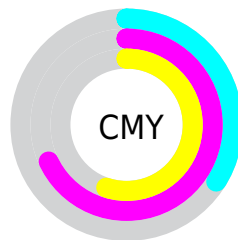
- Red (66%)
- Green (32%)
- Blue (45%)



- Red (66%)
- Yellow (32%)
- Blue (45%)



- Cyan (0%)
- Magenta (51%)
- Yellow (31%)
- Black (34%)



- Cyan (34%)
- Magenta (68%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3181, 15.6204, 18.3617 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 22.3181, 15.6204, 18.3617 by changing the saturation by 10% instead.

■ 22.3181, 15.6204,
18.3617

■ 22.3181, 15.6204,
18.3617

256.8042,
227.0912, 255.2062

■ 14.2087, 9.2559,
11.0379

■ 46.7461, 35.9379,
41.4749

■ 8.3487, 4.9085,
5.9778

■ 63.7955, 50.6598,
58.1014

■ 4.3725, 2.1937,
2.7630

■ 84.5556, 68.9363,
78.6658

■ 1.9150, 0.7165,
0.9749

■ 109.3918, 91.1517,
103.5867

■ 0.5855, 0.0000,
0.0000

■ 138.6694,
117.6905, 133.2827

■ 0.0000, 0.0000,
0.0000

172.7537,

148.9371, 168.1722

212.0102,
185.2759, 208.6739

■ 22.3181, 15.6204,
18.3617

■ 22.3181, 15.6204,
18.3617

■ 20.6438, 13.1664,
15.0459

■ 24.3680, 18.7221,
22.1219

■ 19.3188, 11.3107,
12.1550

■ 26.8150, 22.5114,
26.3430

■ 18.3150, 10.0010,
9.6690

■ 29.6802, 27.0277,
31.0414

■ 17.5991, 9.1740,
7.5656

■ 32.9831, 32.3066,
36.2326

■ 17.1440, 8.7231,
5.9985

■ 36.7416, 38.3816,
41.9313

■ 40.9729, 45.2840,
48.1513

■ 45.6930, 53.0434,
54.9063

■ 50.9173, 61.6881,
62.2090

■ 56.6605, 71.2449,
70.0719

Harmonies

Analogous

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



20.9070, 15.6204, 29.7078



22.3181, 15.6204, 18.3617



21.4912, 15.6204, 10.0977

Triad

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



22.3181, 15.6204, 18.3617



12.1821, 15.6204, 5.1608



11.4960, 15.6204, 37.5537

Complementary

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



22.3181, 15.6204, 18.3617



21.7862, 31.5207, 27.4919

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.



9.7359, 15.6204, 26.5152



22.3181, 15.6204, 18.3617



10.0878, 15.6204, 8.5680

Square

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



22.3181, 15.6204, 18.3617



15.3122, 15.6204, 4.3787



9.2621, 15.6204, 15.7224



14.3908, 15.6204, 43.1463

Rectangle

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



22.3181, 15.6204, 18.3617



19.8404, 15.6204, 6.8336



9.2621, 15.6204, 15.7224



10.7702, 15.6204, 34.1925

Sweetspot

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



22.3185, 15.6212, 18.3620



57.3045, 54.5379, 61.7887



19.8538, 13.8982, 38.6820



12.2270, 11.4667, 13.0538



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



22.3185, 15.6212, 18.3620



37.2111, 23.5338, 26.7818



21.3790, 16.3489, 10.0126



7.6493, 7.5896, 8.4707



12.9703, 6.5968, 4.6553



0.3409, 0.1706, 0.2465

Inverse Universe

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



22.3185, 15.6212, 18.3620



37.2111, 23.5338, 26.7818



23.0151, 29.5555, 41.5375



7.6493, 7.5896, 8.4707



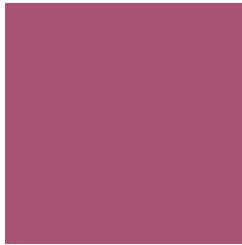
12.9703, 6.5968, 4.6553



0.3409, 0.1706, 0.2465

Previews

White Background



This preview shows how the XYZ color 22.3181, 15.6204, 18.3617 looks on a white background.

Color Contrast Check

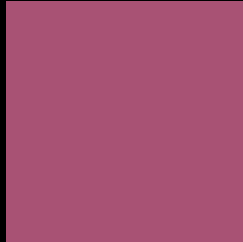
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3181, 15.6204, 18.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

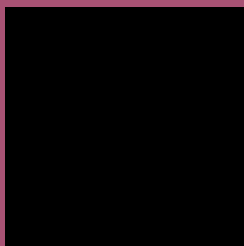
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3181, 15.6204, 18.3617

Background



This preview shows how black text looks on a background with the XYZ color 22.3181, 15.6204, 18.3617.



This preview shows how white text looks on a background with the XYZ color 22.3181, 15.6204,

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

22.3181, 15.6204, 18.3617

Protanopia

15.7534, 15.9095, 24.4308

Deuteranopia

16.0675, 15.7502, 17.5225



Tritanopia

21.1099, 15.7137, 12.2764

Trichromacy



Original Color

22.3181, 15.6204, 18.3617

Protanomaly

17.4412, 15.3138, 22.1153

Deuteranomaly

17.8296, 15.3309, 17.6422

Tritanomaly

21.5338, 15.6521, 14.1981

Monochromacy



Original Color

22.3181, 15.6204, 18.3617

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.1500, 15.4051, 17.6924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3181, 15.6204, 18.3617 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(168, 82, 116)` looks like.

```
.text, #text, p{  
    color:rgb(168, 82, 116)  
}
```

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(168, 82, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 82, 116) }
```

Border

The CSS property to change the border of an element to XYZ 22.3181, 15.6204, 18.3617 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(168, 82, 116) }
```


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

```
.border{ border-color:rgb(168, 82, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 82, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 82, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 82, 116);  
box-shadow:4px 4px 4px 4px rgb(168, 82,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3181, 15.6204, 18.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 82, 116) }
```

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

```
.background{ background-color: rgb(168, 82,  
116) }
```

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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