

Converting Colors

XYZ(22.8769, 15.4795, 19.7198)

Have a look what the booklet for
XYZ(22.8769, 15.4795, 19.7198)
contains.

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Color

**XYZ(22.9702, 15.4872,
19.8678)**

Conversions

Conversions Part 1

Format	Color
Hex	AB4E79
RGB	171, 78, 121
RGB Percent	67%, 31%, 47%
CMY	0.3294, 0.6941, 0.5255
CMYK	0.00, 0.54, 0.29, 0.33
HSL	332°, 37%, 49%
HSV	332°, 54%, 67%
XYZ	22.9702, 15.4872, 19.8678
YIQ	110.7090, 41.6250, 33.0890

Conversions

Conversions Part 2

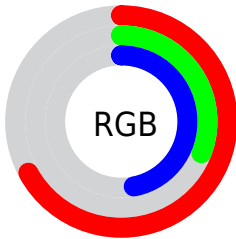
Format	Color
R_{YB}	171, 78, 121
Decimal	11226745
CIE _{Lab}	46.29, 42.93, -6.03
CIE _{LCh}	46, 43.355, 351.999
Yxy	15.4872, 0.3938, 0.2655
Android (android.graphics.Color)	4289416825 (0xFFAB4E79)
YUV	110.7090, 5.0735, 52.8752
Hunter-Lab	39.3538, 35.3186, -2.3850

Details

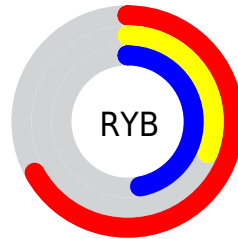
The XYZ color **22.9702, 15.4872, 19.8678** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.6019, 32.3045, 25.5207**, and the grayscale version is **15.0031, 15.7844, 17.1892**.

A 20% lighter version of the original color is **47.8386, 35.6404, 43.8931**, and **8.7527, 4.8893, 6.7857** is the 20% darker color. If you saturate the color by 10%, you get **21.3722, 13.1509, 16.6847**, and if you desaturate by 10%, it is **24.9387, 18.4783, 23.4399**.

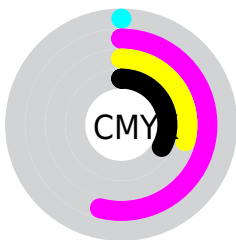
Distribution



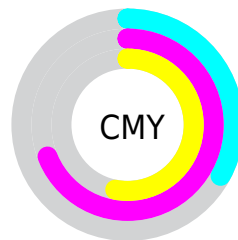
- Red (67%)
- Green (31%)
- Blue (47%)



- Red (67%)
- Yellow (31%)
- Blue (47%)



- Cyan (0%)
- Magenta (54%)
- Yellow (29%)
- Black (33%)



- Cyan (33%)
- Magenta (69%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9702, 15.4872, 19.8678 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 22.9702, 15.4872, 19.8678 by changing the saturation by 10% instead.

■ 22.9702, 15.4872,
19.8678

■ 22.9702, 15.4872,
19.8678

260.1101,
226.2965, 263.7791

■ 14.6921, 9.1620,
12.1159

■ 47.8114, 35.7056,
44.0515

■ 8.6885, 4.8470,
6.6991

■ 65.1052, 50.3677,
61.3203

■ 4.5940, 2.1578,
3.1991

■ 86.1349, 68.5775,
82.5985

■ 2.0434, 0.6968,
1.1972

■ 111.2660, 90.7194,
108.3046

■ 0.6581, 0.0000,
0.0000

■ 140.8636,
117.1779, 138.8572

■ 0.0000, 0.0000,
0.0000

175.2933,

148.3373, 174.6748

214.9203,
184.5820, 216.1759

■ 22.9702, 15.4872,
19.8678

■ 22.9702, 15.4872,
19.8678

■ 21.3722, 13.1509,
16.6847

■ 24.9387, 18.4783,
23.4399

■ 20.1169, 11.4164,
13.8735

■ 27.3002, 22.1671,
27.4150

■ 19.1742, 10.2261,
11.4166

■ 30.0767, 26.5957,
31.8076

■ 18.5080, 9.5101,
9.2938

■ 33.2885, 31.8019,
36.6309

■ 18.2081, 9.2234,
8.2292

■ 36.9541, 37.8211,
41.8975

■ 41.0912, 44.6866,
47.6194

■ 45.7164, 52.4296,
53.8081

■ 50.8454, 61.0798,
60.4748

■ 56.4934, 70.6655,
67.6299

Harmonies

Analogous

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



21.0841, 15.4872, 32.8187



22.9702, 15.4872, 19.8678



22.3704, 15.4872, 10.3118

Triad

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



22.9702, 15.4872, 19.8678



12.2074, 15.4872, 4.1314



10.7521, 15.4872, 38.6158

Complementary

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



22.9702, 15.4872, 19.8678



21.6019, 32.3045, 25.5207

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.



9.0493, 15.4872, 25.7275



22.9702, 15.4872, 19.8678



9.7860, 15.4872, 7.1562

Square

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



22.9702, 15.4872, 19.8678



15.7350, 15.4872, 3.6473



8.7280, 15.4872, 14.1774



13.7498, 15.4872, 46.2453

Rectangle

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



22.9702, 15.4872, 19.8678



20.6803, 15.4872, 6.5573



8.7280, 15.4872, 14.1774



10.0316, 15.4872, 34.5498

Sweetspot

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



22.9706, 15.4880, 19.8681



58.4634, 55.0737, 63.9022



18.9179, 12.9482, 40.0304



12.7747, 11.8544, 13.8596



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.9706, 15.4880, 19.8681



37.8361, 22.9281, 28.9445



21.1202, 15.1086, 9.0118



8.1535, 8.0747, 9.1191



13.7523, 6.9634, 6.3409



0.4104, 0.2048, 0.3228

Inverse Universe

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



22.9706, 15.4880, 19.8681



37.8361, 22.9281, 28.9445



24.4773, 32.5288, 43.5169



8.1535, 8.0747, 9.1191



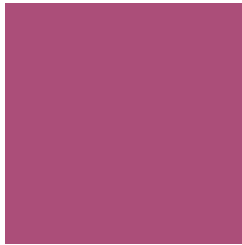
13.7523, 6.9634, 6.3409



0.4104, 0.2048, 0.3228

Previews

White Background



This preview shows how the XYZ color 22.9702, 15.4872, 19.8678 looks on a white background.

Color Contrast Check

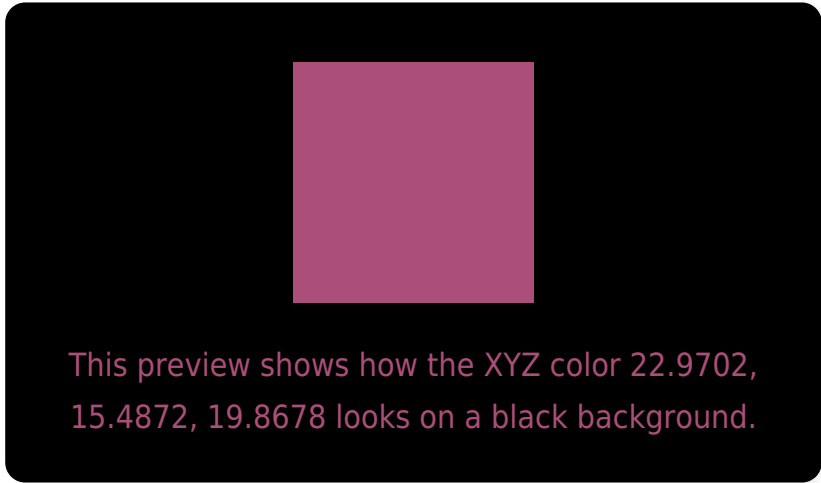
Large Text (above 18pt) WCAG AA ✓ Pass

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

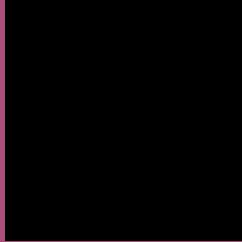
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.9702, 15.4872, 19.8678

Background



This preview shows how black text looks on a background with the XYZ color 22.9702, 15.4872, 19.8678.



This preview shows how white text looks on a background with the XYZ color 22.9702, 15.4872,

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

22.9702, 15.4872, 19.8678

Protanopia

15.8306, 15.7151, 27.7901

Deuteranopia

15.8813, 15.6279, 18.7024



Tritanopia

21.1642, 15.4037, 11.5306

Trichromacy



Original Color

22.9702, 15.4872, 19.8678

Protanomaly

17.4232, 14.9686, 24.5252

Deuteranomaly

17.7694, 14.9921, 19.0968

Tritanomaly

21.7284, 15.4092, 14.1410

Monochromacy



Original Color

22.9702, 15.4872, 19.8678

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

17.2292, 15.1480, 18.2354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9702, 15.4872, 19.8678 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(171, 78, 121)` looks like.

```
.text, #text, p{  
    color:rgb(171, 78, 121)  
}
```

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(171, 78, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 78, 121) }
```

Border

The CSS property to change the border of an element to XYZ 22.9702, 15.4872, 19.8678 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(171, 78, 121) }
```


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

```
.border{ border-color:rgb(171, 78, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 78, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 78, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 78, 121);  
box-shadow:4px 4px 4px 4px rgb(171, 78,  
121) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9702, 15.4872, 19.8678 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 78, 121) }
```

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

```
.background{ background-color: rgb(171, 78,  
121) }
```

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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