

Converting Colors

XYZ(19.5087, 9.7398, 15.2486)

Have a look what the booklet for
XYZ(19.5087, 9.7398, 15.2486)
contains.

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Color

**XYZ(19.5549, 9.7621,
15.3216)**

Conversions

Conversions Part 1

Format	Color
Hex	AB006D
RGB	171, 0, 109
RGB Percent	67%, 0%, 43%
CMY	0.3294, 0.9999, 0.5725
CMYK	0.00, 1.00, 0.36, 0.33
HSL	322°, 100%, 34%
HSV	322°, 100%, 67%
XYZ	19.5549, 9.7621, 15.3216
YIQ	63.5550, 66.9270, 70.1510

Conversions

Conversions Part 2

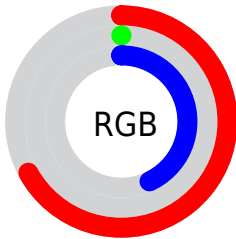
Format	Color
RYB	171, 0, 109
Decimal	11206765
CIELab	37.41, 64.95, -11.94
CIElCh	37, 66.036, 349.586
Yxy	9.7621, 0.4381, 0.2187
Android (android.graphics.Color)	4289396845 (0xFFAB006D)
YUV	63.5550, 22.4044, 94.2293
Hunter-Lab	31.2444, 57.0401, -7.2036

Details

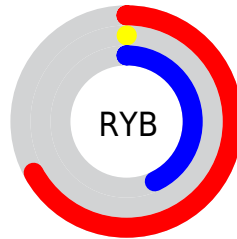
The XYZ color **19.5549, 9.7621, 15.3216** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.4335, 29.4741, 9.4371**, and the grayscale version is **4.7699, 5.0183, 5.4649**.

A 20% lighter version of the original color is **42.3304, 25.4470, 36.3989**, and **7.6524, 3.8476, 4.7542** is the 20% darker color. If you saturate the color by 10%, you get **19.5543, 9.7618, 15.3188**, and if you desaturate by 10%, it is **20.1031, 10.3052, 17.2100**.

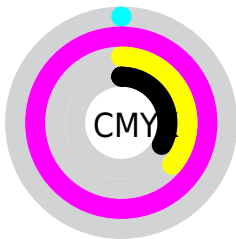
Distribution



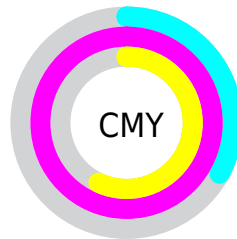
- Red (67%)
- Green (0%)
- Blue (43%)



- Red (67%)
- Yellow (0%)
- Blue (43%)



- Cyan (0%)
- Magenta (100%)
- Yellow (36%)
- Black (33%)




- Cyan (33%)
- Magenta (100%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5549, 9.7621, 15.3216 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 19.5549, 9.7621, 15.3216 by changing the saturation by 10% instead.


 19.5549, 9.7621,
15.3216


 19.5549, 9.7621,
15.3216


242.3750,
188.9656, 237.0121


 12.1783, 5.2415,
8.8963


 42.1793, 25.3471,
36.1666


 6.9383, 2.3897,
4.5777


 58.1579, 37.1802,
51.4234


 3.4695, 0.8206,
1.9473

 77.7344, 52.2197,
70.4611

 1.4066, 0.0000,
0.5226

 101.2744, 70.8499,
93.6983

 0.2610, 0.0000,
0.0000

 129.1430, 93.4552,
121.5534

 0.0000, 0.0000,
0.0000

 161.7058,

120.4200, 154.4450

199.3280,
152.1286, 192.7917

■ 19.5549, 9.7621,
15.3216

■ 19.5549, 9.7621,
15.3216

■ 19.5543, 9.7618,
15.3188

■ 20.1031, 10.3052,
17.2100

■ 20.8490, 11.2054,
19.2827

■ 21.8630, 12.6024,
21.5656

■ 23.1771, 14.5599,
24.0715

■ 24.8188, 17.1320,
26.8116

■ 26.8122, 20.3663,
29.7962

■ 29.1793, 24.3059,
33.0345

■ 31.9398, 28.9900,
36.5351

■ 35.1124, 34.4550,
40.3061

Harmonies

Analogous

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



16.7818, 9.7621, 33.4134



19.5549, 9.7621, 15.3216



19.0168, 9.7621, 4.6590

Triad

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



19.5549, 9.7621, 15.3216



6.8512, 9.7621, 0.1600



5.0052, 9.7621, 39.2742

Complementary

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



19.5549, 9.7621, 15.3216



15.4335, 29.4741, 9.4371

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.



3.6060, 9.7621, 20.2846



19.5549, 9.7621, 15.3216



4.4305, 9.7621, 1.6286

Square

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



19.5549, 9.7621, 15.3216



10.7980, 9.7621, 0.0000



3.4329, 9.7621, 7.0085



7.9089, 9.7621, 52.7088

Rectangle

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



19.5549, 9.7621, 15.3216



16.8922, 9.7621, 1.7023



3.4329, 9.7621, 7.0085



4.3853, 9.7621, 32.8727

Sweetspot

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



19.5552, 9.7627, 15.3218



52.0090, 43.1110, 58.8340



9.2065, 3.8974, 38.7951



11.1961, 8.9412, 12.5806



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.



19.5552, 9.7627, 15.3218



34.9158, 17.4409, 26.8819



16.9777, 8.7317, 1.7488



8.2119, 8.0980, 9.4269



14.7670, 7.3693, 11.6844



0.4358, 0.2150, 0.4567

Inverse Universe

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



19.5552, 9.7627, 15.3218



34.9158, 17.4409, 26.8819



19.7014, 31.1812, 31.9117



8.2119, 8.0980, 9.4269



14.7670, 7.3693, 11.6844



0.4358, 0.2150, 0.4567

Previews

White Background



This preview shows how the XYZ color 19.5549, 9.7621, 15.3216 looks on a white background.

Color Contrast Check

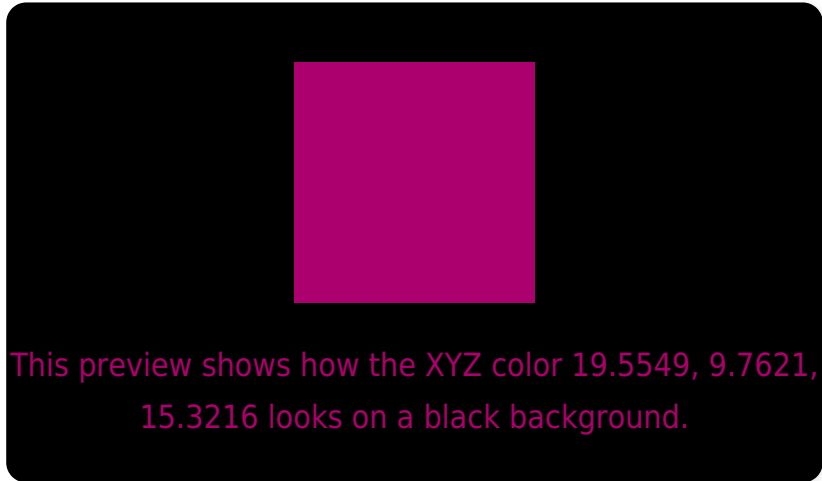
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

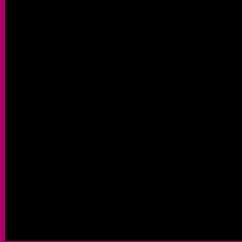
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.5549, 9.7621, 15.3216

Background



This preview shows how black text looks on a background with the XYZ color 19.5549, 9.7621, 15.3216.



This preview shows how white text looks on a background with the XYZ color 19.5549, 9.7621,

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

19.5549, 9.7621, 15.3216

Protanopia

11.5597, 10.5692, 32.8833

Deuteranopia

10.5580, 10.3519, 13.7536



Tritanopia

17.2739, 10.1327, 3.5280

Trichromacy



Original Color

19.5549, 9.7621, 15.3216

Protanomaly

11.6028, 7.6151, 25.2844

Deuteranomaly

12.0812, 8.0388, 14.0116

Tritanomaly

17.5838, 9.5261, 6.3808

Monochromacy



Original Color

19.5549, 9.7621, 15.3216

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.8344, 5.0486, 8.1510

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5549, 9.7621, 15.3216 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, 0, 109)` looks like.

```
.text, #text, p{  
    color:rgb(171, 0, 109)  
}
```

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, 0, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 0, 109) }
```

Border

The CSS property to change the border of an element to XYZ 19.5549, 9.7621, 15.3216 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, 0, 109) }
```


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

```
.border{ border-color:rgb(171, 0, 109) }
```

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

Here you see how a box with a 4 pixel rgb(171, 0, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 0, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 0, 109);  
box-shadow:4px 4px 4px 4px rgb(171, 0,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5549, 9.7621, 15.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 0, 109) }
```

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

```
.background{ background-color: rgb(171, 0,  
109) }
```

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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