

Converting Colors

XYZ(18.0561, 9.0953, 10.4675)

Have a look what the booklet for
XYZ(18.0561, 9.0953, 10.4675)
contains.

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Color

**XYZ(17.9939, 9.0630,
10.4738)**

Conversions

Conversions Part 1

Format	Color
Hex	A8005A
RGB	168, 0, 90
RGB Percent	66%, 0%, 35%
CMY	0.3412, 0.9999, 0.6471
CMYK	0.00, 1.00, 0.46, 0.34
HSL	328°, 100%, 33%
HSV	328°, 100%, 66%
XYZ	17.9939, 9.0630, 10.4738
YIQ	60.4920, 71.2380, 63.6060

Conversions

Conversions Part 2

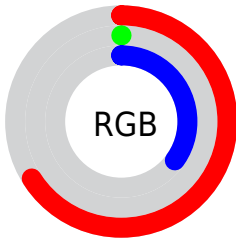
Format	Color
R_{YB}	168, 0, 90
Decimal	11010138
CIE Lab	36.11, 62.51, -1.80
CIE LCh	36, 62.534, 358.349
Yxy	9.0630, 0.4794, 0.2415
Android (android.graphics.Color)	4289200218 (0xFFA8005A)
YUV	60.4920, 14.5474, 94.2845
Hunter-Lab	30.1048, 54.0075, 0.4457

Details

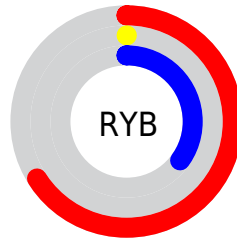
The XYZ color **17.9939, 9.0630, 10.4738** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.3789, 28.5558, 11.9136**, and the grayscale version is **4.3389, 4.5648, 4.9711**.

A 20% lighter version of the original color is **39.5245, 23.9794, 27.3563**, and **6.9041, 3.5045, 2.7952** is the 20% darker color. If you saturate the color by 10%, you get **17.9934, 9.0628, 10.4713**, and if you desaturate by 10%, it is **18.5414, 9.5984, 12.3816**.

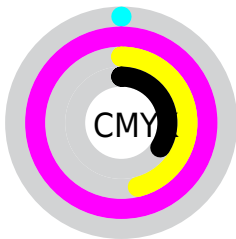
Distribution



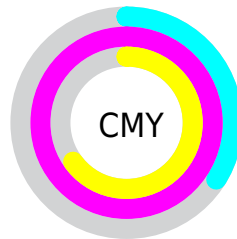
- Red (66%)
- Green (0%)
- Blue (35%)



- Red (66%)
- Yellow (0%)
- Blue (35%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.9939, 9.0630, 10.4738 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 17.9939, 9.0630, 10.4738 by changing the saturation by 10% instead.


 17.9939, 9.0630,
10.4738


 17.9939, 9.0630,
10.4738


233.8829,
183.8472, 204.6272


 11.0453, 4.7823,
5.6045


 39.5571, 24.0175,
27.3046

 6.1648, 2.1201,
2.5413


 54.9024, 35.4601,
40.1031

 2.9872, 0.6759,
0.8619

 73.7772, 50.0588,
56.3819

 1.1470, 0.0000,
0.0000

 96.5471, 68.1979,
76.5593

 0.0639, 0.0000,
0.0000

 123.5772, 90.2619,
101.0540

 0.0000, 0.0000,
0.0000

 155.2330,

116.6352, 130.2846

191.8797,
147.7022, 164.6694

■ 17.9939, 9.0630,
10.4738

■ 17.9939, 9.0630,
10.4738

■ 17.9934, 9.0628,
10.4713

■ 18.5414, 9.5984,
12.3816

■ 19.2906, 10.4799,
14.5336

■ 20.3107, 11.8439,
16.9578

■ 21.6327, 13.7514,
19.6691

■ 23.2835, 16.2544,
22.6811

■ 25.2866, 19.3987,
26.0059

■ 27.6634, 23.2257,
29.6548

■ 30.4334, 27.7730,
33.6384

■ 33.6148, 33.0758,
37.9668

Harmonies

Analogous

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



16.3057, 9.0630, 25.1121



17.9939, 9.0630, 10.4738



16.6250, 9.0630, 2.9610

Triad

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



17.9939, 9.0630, 10.4738



5.6293, 9.0630, 0.5045



5.3632, 9.0630, 39.8572

Complementary

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



17.9939, 9.0630, 10.4738



15.3789, 28.5558, 11.9136

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.



3.7067, 9.0630, 23.2435



17.9939, 9.0630, 10.4738



3.8261, 9.0630, 2.5235

Square

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



17.9939, 9.0630, 10.4738



8.8231, 9.0630, 0.0000



3.2378, 9.0630, 9.2861



8.4084, 9.0630, 48.1226

Rectangle

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



17.9939, 9.0630, 10.4738



14.3355, 9.0630, 1.0905



3.2378, 9.0630, 9.2861



4.6624, 9.0630, 34.6626

Sweetspot

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



17.9941, 9.0635, 10.4739



49.9369, 41.7197, 53.4229



10.0180, 4.3484, 37.3570



10.4903, 8.4558, 11.0493



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.



17.9941, 9.0635, 10.4739



32.5422, 16.4020, 18.4249



16.1948, 8.3438, 0.9988



7.6928, 7.6070, 8.6993



13.6141, 6.8543, 8.0451



0.3567, 0.1769, 0.3298

Inverse Universe

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



17.9941, 9.0635, 10.4739



32.5422, 16.4020, 18.4249



20.3132, 30.5295, 37.8972



7.6928, 7.6070, 8.6993



13.6141, 6.8543, 8.0451



0.3567, 0.1769, 0.3298

Previews

White Background



This preview shows how the XYZ color 17.9939, 9.0630, 10.4738 looks on a white background.

Color Contrast Check

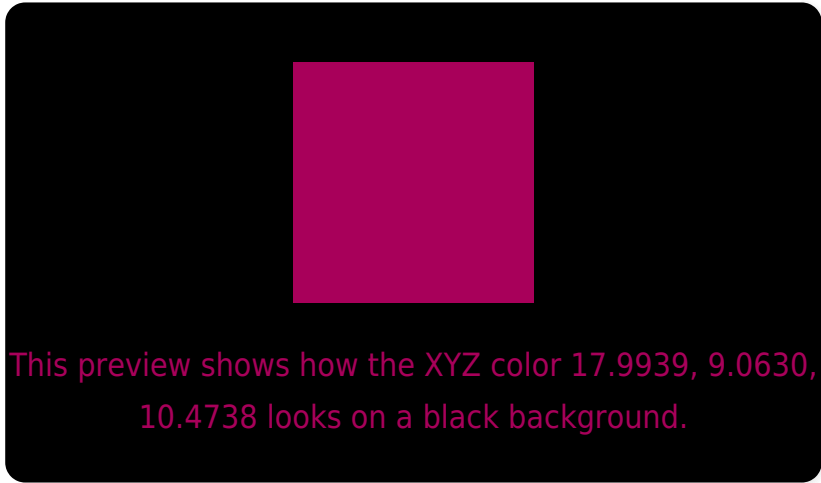
Large Text (above 18pt) WCAG AA ✓ Pass

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

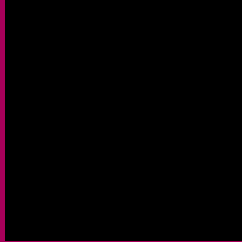
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.9939, 9.0630, 10.4738

Background



This preview shows how black text looks on a background with the XYZ color 17.9939, 9.0630, 10.4738.



This preview shows how white text looks on a background with the XYZ color 17.9939, 9.0630,

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

17.9939, 9.0630, 10.4738

Protanopia

10.1047, 9.6838, 22.4557

Deuteranopia

9.8468, 9.7182, 9.5404



Tritanopia

16.4664, 9.3885, 2.6133

Trichromacy



Original Color

17.9939, 9.0630, 10.4738

Protanomaly

10.6450, 7.1583, 17.0403

Deuteranomaly

11.1673, 7.5212, 9.6673

Tritanomaly

16.7461, 9.0053, 4.5970

Monochromacy



Original Color

17.9939, 9.0630, 10.4738

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

7.1507, 4.6282, 6.6473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9939, 9.0630, 10.4738 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, 0, 90)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 90)  
}
```

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, 0, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 90) }
```

Border

The CSS property to change the border of an element to XYZ 17.9939, 9.0630, 10.4738 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, 0, 90) }
```


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

```
.border{ border-color:rgb(168, 0, 90) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 90);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 90)  
}
```

Background

The CSS property to change the background color of an element to XYZ 17.9939, 9.0630, 10.4738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 90) }
```

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

```
.background{ background-color: rgb(168, 0,  
90) }
```

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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