

Converting Colors

XYZ(17.9384, 5.7366, 32.6841)

Have a look what the booklet for
XYZ(17.9384, 5.7366, 32.6841)
contains.

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Color

**XYZ(19.8819, 9.5365,
33.1406)**

Conversions

Conversions Part 1

Format	Color
Hex	9C009E
RGB	156, 0, 158
RGB Percent	61%, 0%, 62%
CMY	0.3882, 1.0000, 0.3804
CMYK	0.01, 1.00, 0.00, 0.38
HSL	299°, 100%, 31%
HSV	299°, 100%, 62%
XYZ	19.8819, 9.5365, 33.1406
YIQ	64.6560, 42.2580, 82.2100

Conversions

Conversions Part 2

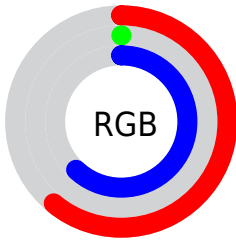
Format	Color
R _Y B	156, 0, 158
Decimal	10223774
CIE Lab	37.00, 68.37, -43.16
CIE LCh	37, 80.854, 327.738
Yxy	9.5365, 0.3178, 0.1524
Android (android.graphics.Color)	4288413854 (0xFF9C009E)
YUV	64.6560, 46.0186, 80.1087
Hunter-Lab	30.8812, 60.8794, -42.0110

Details

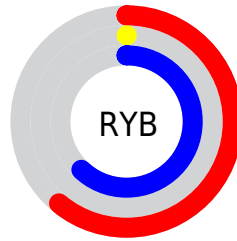
The XYZ color **19.8819, 9.5365, 33.1406** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.2521, 24.4668, 4.0771**, and the grayscale version is **4.9012, 5.1565, 5.6154**.

A 20% lighter version of the original color is **42.6105, 24.8376, 65.4991**, and **7.8570, 3.7499, 13.9454** is the 20% darker color. If you saturate the color by 10%, you get **19.8822, 9.5367, 33.1408**, and if you desaturate by 10%, it is **20.1034, 9.9217, 33.2034**.

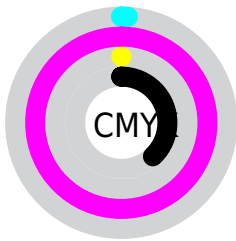
Distribution



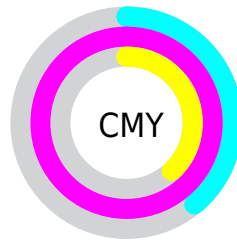
- Red (61%)
- Green (0%)
- Blue (62%)



- Red (61%)
- Yellow (0%)
- Blue (62%)



- Cyan (1%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)




- Cyan (39%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8819, 9.5365, 33.1406 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 19.8819, 9.5365, 33.1406 by changing the saturation by 10% instead.


 19.8819, 9.5365,
33.1406


 19.8819, 9.5365,
33.1406


244.1208,
187.3312, 330.9342


 12.4170, 5.0927,
21.9622


 42.7245, 24.9200,
65.7135


 7.1025, 2.3018,
13.6311


 58.8330, 36.6285,
87.9451


 3.5732, 0.7747,
7.7287


 78.5533, 51.5274,
114.6981

 1.4636, 0.0000,
3.8366

 102.2509, 70.0010,
146.3912

 0.3009, 0.0000,
1.5361

 130.2911, 92.4339,
183.4428

 0.0000, 0.0000,
0.2446

 163.0392,

 0.0000, 0.0000,

119.2102, 226.2714

0.0000

200.8607,
150.7146, 275.2958

■ 19.8819, 9.5365,
33.1406

■ 19.8819, 9.5365,
33.1406

■ 19.8822, 9.5367,
33.1408

■ 20.1034, 9.9217,
33.2034

■ 20.4658, 10.5888,
33.3131

■ 21.0315, 11.6627,
33.4905

■ 21.8266, 13.1952,
33.7444

■ 22.8732, 15.2304,
34.0821

■ 24.1906, 17.8074,
34.5101

■ 25.7966, 20.9613,
35.0342

■ 27.7072, 24.7244,
35.6598

■ 29.9374, 29.1264,
36.3920

Harmonies

Analogous

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



14.3223, 9.5365, 58.8748



19.8819, 9.5365, 33.1406



22.4835, 9.5365, 11.5098

Triad

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



19.8819, 9.5365, 33.1406



9.4493, 9.5365, 0.0000



2.9355, 9.5365, 29.2220

Complementary

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



19.8819, 9.5365, 33.1406



12.2521, 24.4668, 4.0771

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.



2.4473, 9.5365, 9.3334



19.8819, 9.5365, 33.1406



5.2820, 9.5365, 0.0000

Square

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



19.8819, 9.5365, 33.1406



15.2334, 9.5365, 0.0000



3.1183, 9.5365, 1.5256



4.8362, 9.5365, 55.4835

Rectangle

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



19.8819, 9.5365, 33.1406



21.6688, 9.5365, 4.0462



3.1183, 9.5365, 1.5256



2.6402, 9.5365, 21.2492

Sweetspot

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



19.8823, 9.5369, 33.1408



46.6583, 37.6956, 63.5603



6.2004, 2.5261, 32.5087



10.2461, 7.9620, 14.2404



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.8823, 9.5369, 33.1408



36.0921, 17.3115, 60.1826



15.6100, 7.8731, 8.6077



6.8959, 6.7503, 8.3462



15.9262, 7.6393, 26.5424



0.2871, 0.1378, 0.4747

Inverse Universe

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



14.1117, 7.2738, 0.7179



25.6209, 13.2064, 1.2738



13.5445, 24.9809, 11.0135



6.6363, 6.6474, 6.9359



11.3030, 5.8258, 0.5806



0.2030, 0.1045, 0.0150

Previews

White Background



This preview shows how the XYZ color 19.8819, 9.5365, 33.1406 looks on a white background.

Color Contrast Check

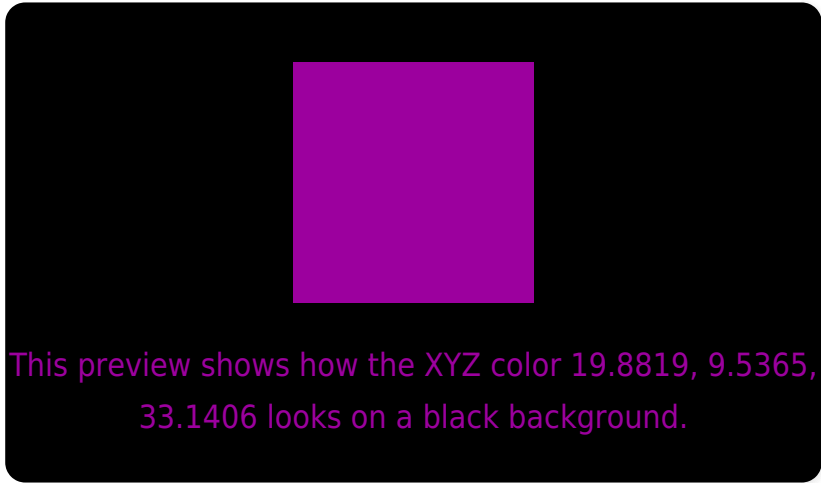
Large Text (above 18pt) WCAG AA ✓ Pass

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

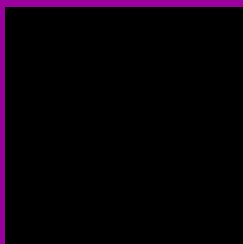
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.8819, 9.5365, 33.1406

Background



This preview shows how black text looks on a background with the XYZ color 19.8819, 9.5365, 33.1406.



This preview shows how white text looks on a background with the XYZ color 19.8819, 9.5365,

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

19.8819, 9.5365, 33.1406

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

10.4462, 10.1861, 29.8493



Tritanopia

14.5601, 9.9496, 6.3073

Trichromacy



Original Color

19.8819, 9.5365, 33.1406



Protanomaly

10.6935, 6.6582, 40.7660



Deuteranomaly

11.2504, 7.3171, 30.5251



Tritanomaly

15.5553, 8.8359, 12.6900

Monochromacy



Original Color

19.8819, 9.5365, 33.1406



Achromatopsia

5.0244, 5.2861, 5.7565



Achromatomaly

8.0821, 5.0834, 12.3596

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8819, 9.5365, 33.1406 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(156, 0, 158)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 158)  
}
```

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(156, 0, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 158) }
```

Border

The CSS property to change the border of an element to XYZ 19.8819, 9.5365, 33.1406 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(156, 0, 158) }
```


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

```
.border{ border-color:rgb(156, 0, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 0, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 158);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8819, 9.5365, 33.1406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 158) }
```

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

```
.background{ background-color: rgb(156, 0,  
158) }
```

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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