

Converting Colors

XYZ(19.4691, 9.4188, 28.8278)

Have a look what the booklet for
XYZ(19.4691, 9.4188, 28.8278)
contains.

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Color

**XYZ(19.4458, 9.4072,
28.8078)**

Conversions

Conversions Part 1

Format	Color
Hex	9E0094
RGB	158, 0, 148
RGB Percent	62%, 0%, 58%
CMY	0.3804, 0.9999, 0.4196
CMYK	0.00, 1.00, 0.06, 0.38
HSL	304°, 100%, 31%
HSV	304°, 100%, 62%
XYZ	19.4458, 9.4072, 28.8078
YIQ	64.1140, 46.6600, 79.5240

Conversions

Conversions Part 2

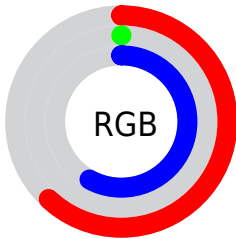
Format	Color
R_{YB}	158, 0, 148
Decimal	10354836
CIE _{Lab}	36.76, 67.22, -37.43
CIE _{LCh}	37, 76.943, 330.888
Yxy	9.4072, 0.3372, 0.1631
Android (android.graphics.Color)	4288544916 (0xFF9E0094)
YUV	64.1140, 41.3558, 82.3380
Hunter-Lab	30.6712, 59.4961, -34.2182

Details

The XYZ color **19.4458, 9.4072, 28.8078** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **12.2821, 24.4760, 4.3647**, and the grayscale version is **4.8269, 5.0782, 5.5302**.

A 20% lighter version of the original color is **41.9671, 24.6480, 59.0456**, and **7.6372, 3.6878, 11.6186** is the 20% darker color. If you saturate the color by 10%, you get **19.4459, 9.4073, 28.8075**, and if you desaturate by 10%, it is **19.7081, 9.8043, 29.2876**.

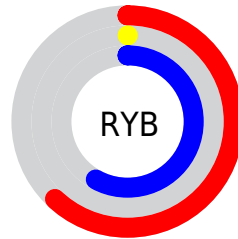
Distribution



Red (62%)

Green (0%)

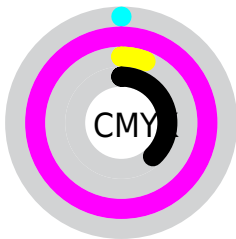
Blue (58%)



Red (62%)

Yellow (0%)

Blue (58%)

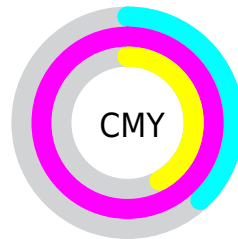


Cyan (0%)

Magenta (100%)

Yellow (6%)

Black (38%)



Cyan (38%)


Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4458, 9.4072, 28.8078 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 19.4458, 9.4072, 28.8078 by changing the saturation by 10% instead.


 19.4458, 9.4072,
28.8078


 19.4458, 9.4072,
28.8078


241.7900,
186.3872, 310.3395

 12.0988, 5.0077,
18.6911


 41.9971, 24.6744,
58.8101


 6.8836, 2.2518,
11.2728


 57.9321, 36.3109,
79.5329


 3.4351, 0.7480,
6.1341


 77.4605, 51.1285,
104.6280

 1.3878, 0.0000,
2.8567

 100.9475, 69.5116,
134.5142

 0.2475, 0.0000,
1.0219

 128.7587, 91.8446,
169.6099

 0.0000, 0.0000,
0.0000

 161.2592,

118.5120, 210.3337

198.8146,
149.8980, 257.1040

■ 19.4458, 9.4072,
28.8078

■ 19.4458, 9.4072,
28.8078

■ 19.4459, 9.4073,
28.8075

■ 19.7081, 9.8043,
29.2876

■ 20.1120, 10.4837,
29.8179

■ 20.7199, 11.5701,
30.4196

■ 21.5578, 13.1153,
31.1014

■ 22.6477, 15.1636,
31.8706

■ 24.0093, 17.7538,
32.7337

■ 25.6600, 20.9213,
33.6967

■ 27.6159, 24.6982,
34.7648

■ 29.8920, 29.1143,
35.9431

Harmonies

Analogous

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



14.4567, 9.4072, 52.6612



19.4458, 9.4072, 28.8078



21.4328, 9.4072, 9.8454

Triad

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



19.4458, 9.4072, 28.8078



8.8014, 9.4072, 0.0000



3.1951, 9.4072, 30.2199

Complementary

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



19.4458, 9.4072, 28.8078



12.2821, 24.4760, 4.3647

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.



2.5903, 9.4072, 10.6508



19.4458, 9.4072, 28.8078



5.0444, 9.4072, 0.0000

Square

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



19.4458, 9.4072, 28.8078



14.1238, 9.4072, 0.0000



3.1249, 9.4072, 2.0871



5.2126, 9.4072, 53.8698

Rectangle

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



19.4458, 9.4072, 28.8078



20.3840, 9.4072, 3.4893



3.1249, 9.4072, 2.0871



2.8598, 9.4072, 22.5864

Sweetspot

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



19.4462, 9.4077, 28.8080



46.4038, 37.6189, 61.0829



6.2709, 2.5201, 32.5039



10.1815, 7.9426, 13.6104



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.



19.4462, 9.4077, 28.8080



35.2853, 17.0722, 52.1660



15.2417, 7.7259, 6.6676



6.8860, 6.7473, 8.2509



15.5795, 7.5364, 23.1004



0.2835, 0.1367, 0.4388

Inverse Universe

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



19.4462, 9.4077, 28.8080



35.2853, 17.0722, 52.1660



13.9437, 25.1407, 13.1148



6.8860, 6.7473, 8.2509



15.5795, 7.5364, 23.1004



0.2835, 0.1367, 0.4388

Previews

White Background



This preview shows how the XYZ color 19.4458, 9.4072, 28.8078 looks on a white background.

Color Contrast Check

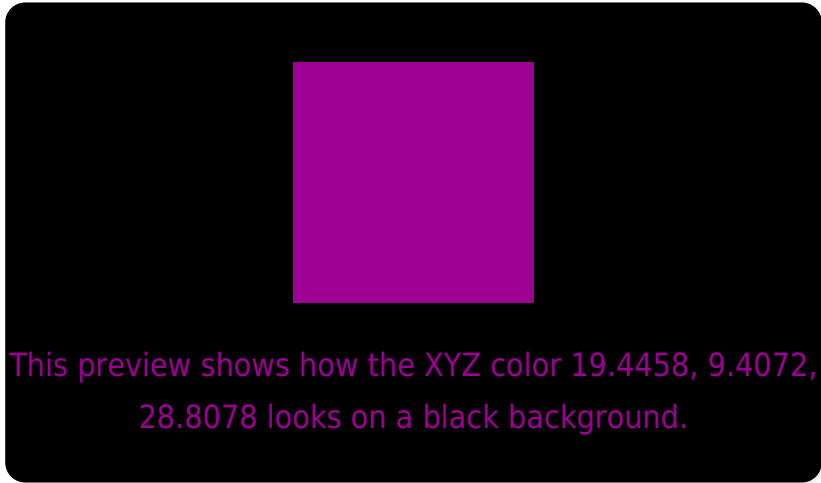
Large Text (above 18pt) WCAG AA ✓ Pass

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

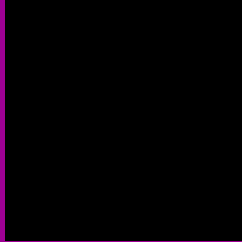
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4458, 9.4072, 28.8078

Background



This preview shows how black text looks on a background with the XYZ color 19.4458, 9.4072, 28.8078.



This preview shows how white text looks on a background with the XYZ color 19.4458, 9.4072,

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

19.4458, 9.4072, 28.8078

Protanopia

11.7713, 10.0330, 45.5721

Deuteranopia

10.2825, 10.0656, 25.8270



Tritanopia

14.7770, 9.7635, 5.6631

Trichromacy



Original Color

19.4458, 9.4072, 28.8078



Protanomaly

10.3092, 6.5045, 38.7424



Deuteranomaly

11.3826, 7.4759, 26.4343



Tritanomaly

15.5862, 8.7888, 11.2309

Monochromacy



Original Color

19.4458, 9.4072, 28.8078



Achromatopsia

4.8732, 5.1269, 5.5832



Achromatomaly

7.8955, 5.0088, 11.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4458, 9.4072, 28.8078 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(158, 0, 148)` looks like.

```
.text, #text, p{  
    color:rgb(158, 0, 148)  
}
```

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(158, 0, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 0, 148) }
```

Border

The CSS property to change the border of an element to XYZ 19.4458, 9.4072, 28.8078 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(158, 0, 148) }
```


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

```
.border{ border-color:rgb(158, 0, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 0, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 0, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 0, 148);  
box-shadow:4px 4px 4px 4px rgb(158, 0,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4458, 9.4072, 28.8078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 0, 148) }
```

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

```
.background{ background-color: rgb(158, 0,  
148) }
```

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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