

Converting Colors

XYZ(18.7934, 10.4000, 11.8637)

Have a look what the booklet for
XYZ(18.7934, 10.4000, 11.8637)
contains.

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Color

**XYZ(18.8449, 10.4128,
11.8431)**

Conversions

Conversions Part 1

Format	Color
Hex	A8245F
RGB	168, 36, 95
RGB Percent	66%, 14%, 37%
CMY	0.3412, 0.8588, 0.6274
CMYK	0.00, 0.79, 0.43, 0.34
HSL	333°, 65%, 40%
HSV	333°, 79%, 66%
XYZ	18.8449, 10.4128, 11.8431
YIQ	82.1940, 59.7330, 46.3330

Conversions

Conversions Part 2

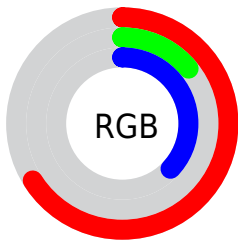
Format	Color
R_{YB}	168, 36, 95
Decimal	11019359
CIE _{Lab}	38.57, 56.33, -1.38
CIE _{LCh}	39, 56.343, 358.599
Yxy	10.4128, 0.4585, 0.2533
Android (android.graphics.Color)	4289209439 (0xFFA8245F)
YUV	82.1940, 6.3134, 75.2519
Hunter-Lab	32.2689, 47.7728, 0.8280

Details

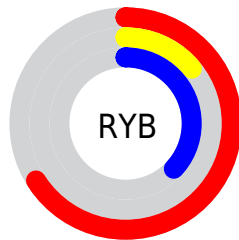
The XYZ color **18.8449, 10.4128, 11.8431** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **17.4913, 29.4848, 19.2398**, and the grayscale version is **8.0391, 8.4578, 9.2105**.

A 20% lighter version of the original color is **40.8816, 26.5596, 29.7599**, and **6.9848, 3.5367, 3.2203** is the 20% darker color. If you saturate the color by 10%, you get **18.0529, 9.4649, 9.6181**, and if you desaturate by 10%, it is **19.9264, 11.8591, 14.4134**.

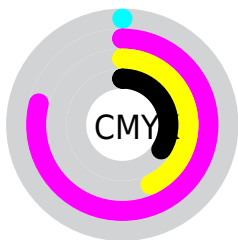
Distribution



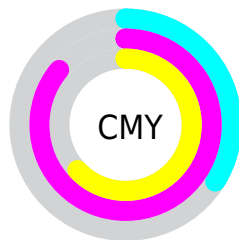
- Red (66%)
- Green (14%)
- Blue (37%)



- Red (66%)
- Yellow (14%)
- Blue (37%)



- Cyan (0%)
- Magenta (79%)
- Yellow (43%)
- Black (34%)





- Cyan (34%)
- Magenta (86%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8449, 10.4128, 11.8431 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 18.8449, 10.4128, 11.8431 by changing the saturation by 10% instead.


 18.8449, 10.4128,
11.8431


 18.8449, 10.4128,
11.8431


238.5458,
193.5934, 214.3047

 11.6616, 5.6735,
6.5157


 40.9908, 26.5691,
29.8691


 6.5842, 2.6476,
3.0873


 56.6840, 38.7549,
43.4048


 3.2475, 0.9506,
1.1394

 75.9447, 54.1916,
60.5137

 1.2859, 0.0000,
0.0000

 99.1380, 73.2637,
81.6143

 0.1727, 0.0000,
0.0000

 126.6294, 96.3555,
107.1252

 0.0000, 0.0000,
0.0000

 158.7843,

123.8515, 137.4648

195.9680,
156.1360, 173.0518

■ 18.8449, 10.4128,
11.8431

■ 18.8449, 10.4128,
11.8431

■ 18.0529, 9.4649,
9.6181

■ 19.9264, 11.8591,
14.4134

■ 17.4937, 8.9048,
7.7105

■ 21.3279, 13.8619,
17.3470

■ 17.4214, 8.8340,
7.4587

■ 23.0764, 16.4729,
20.6612

■ 25.1958, 19.7376,
24.3713

■ 27.7079, 23.6968,
28.4919

■ 30.6326, 28.3883,
33.0366

■ 33.9885, 33.8468,
38.0182

■ 37.7928, 40.1051,
43.4492

■ 42.0620, 47.1939,
49.3412

Harmonies

Analogous

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



17.2927, 10.4128, 25.6049



18.8449, 10.4128, 11.8431



17.5462, 10.4128, 4.1159

Triad

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



18.8449, 10.4128, 11.8431



6.8682, 10.4128, 1.2094



6.6349, 10.4128, 39.1212

Complementary

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



18.8449, 10.4128, 11.8431



17.4913, 29.4848, 19.2398

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.



4.8741, 10.4128, 24.1486



18.8449, 10.4128, 11.8431



4.9833, 10.4128, 3.6924

Square

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



18.8449, 10.4128, 11.8431



10.0720, 10.4128, 0.7117



4.3540, 10.4128, 10.8470



9.7242, 10.4128, 46.3201

Rectangle

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



18.8449, 10.4128, 11.8431



15.3845, 10.4128, 1.8949



4.3540, 10.4128, 10.8470



5.8996, 10.4128, 34.5048

Sweetspot

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



18.8452, 10.4134, 11.8433



52.3769, 46.3486, 55.0103



13.9571, 7.3156, 37.7222



11.0353, 9.4941, 11.3906



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.



18.8452, 10.4134, 11.8433



32.0144, 16.4244, 14.9256



17.3168, 10.1517, 2.7166



7.6652, 7.5960, 8.5543



13.1810, 6.6811, 5.7648



0.3466, 0.1729, 0.2769

Inverse Universe

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



18.8452, 10.4134, 11.8433



32.0144, 16.4244, 14.9256



20.6107, 28.8323, 41.5247



7.6652, 7.5960, 8.5543



13.1810, 6.6811, 5.7648



0.3466, 0.1729, 0.2769

Previews

White Background



This preview shows how the XYZ color 18.8449, 10.4128, 11.8431 looks on a white background.

Color Contrast Check

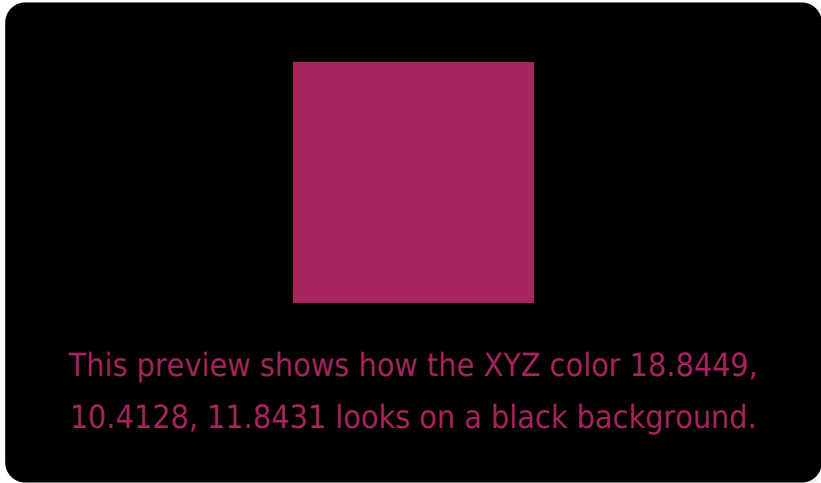
Large Text (above 18pt) WCAG AA ✓ Pass

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

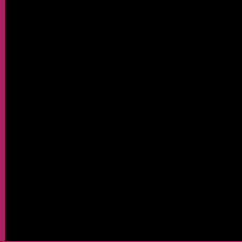
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8449, 10.4128, 11.8431

Background



This preview shows how black text looks on a background with the XYZ color 18.8449, 10.4128, 11.8431.



This preview shows how white text looks on a background with the XYZ color 18.8449, 10.4128,

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

18.8449, 10.4128, 11.8431

Protanopia

11.0307, 10.7900, 21.9234

Deuteranopia

10.8550, 10.6908, 10.9426



Tritanopia

17.2129, 10.4350, 4.2389

Trichromacy



Original Color

18.8449, 10.4128, 11.8431

Protanomaly

12.2157, 9.2781, 17.6700

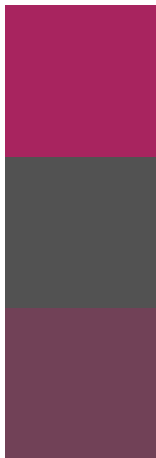
Deuteranomaly

12.6827, 9.5713, 11.0765

Tritanomaly

17.6397, 10.3136, 6.3712

Monochromacy



Original Color

18.8449, 10.4128, 11.8431

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

10.4206, 7.9794, 10.0078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8449, 10.4128, 11.8431 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, 36, 95)` looks like.

```
.text, #text, p{  
  color:rgb(168, 36, 95)  
}
```

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, 36, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 36, 95) }
```

Border

The CSS property to change the border of an element to XYZ 18.8449, 10.4128, 11.8431 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, 36, 95) }
```


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

```
.border{ border-color:rgb(168, 36, 95) }
```

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

Here you see how a box with a 4 pixel rgb(168, 36, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 36, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 36, 95);  
box-shadow:4px 4px 4px 4px rgb(168, 36,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8449, 10.4128, 11.8431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 36, 95) }
```

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

```
.background{ background-color: rgb(168, 36,  
95) }
```

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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