

Converting Colors

XYZ(19.5314, 9.6854, 18.2364)

Have a look what the booklet for
XYZ(19.5314, 9.6854, 18.2364)
contains.

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Color

**XYZ(19.4782, 9.6567,
18.2901)**

Conversions

Conversions Part 1

Format	Color
Hex	A80077
RGB	168, 0, 119
RGB Percent	66%, 0%, 47%
CMY	0.3412, 0.9999, 0.5333
CMYK	0.00, 1.00, 0.29, 0.34
HSL	318°, 100%, 33%
HSV	318°, 100%, 66%
XYZ	19.4782, 9.6567, 18.2901
YIQ	63.7980, 61.9290, 72.6250

Conversions

Conversions Part 2

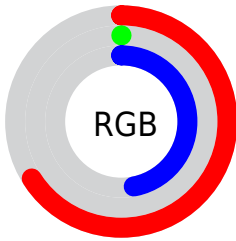
Format	Color
R_{YB}	168, 0, 119
Decimal	11010167
CIE _{Lab}	37.22, 65.39, -18.60
CIE _{LCh}	37, 67.986, 344.126
Yxy	9.6567, 0.4107, 0.2036
Android (android.graphics.Color)	4289200247 (0xFFA80077)
YUV	63.7980, 27.2146, 91.3852
Hunter-Lab	31.0752, 57.5036, -13.1439

Details

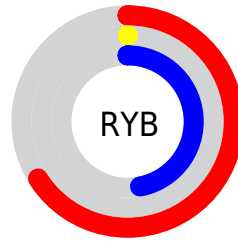
The XYZ color **19.4782, 9.6567, 18.2901** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.5578, 28.2274, 7.5892**, and the grayscale version is **4.7990, 5.0489, 5.4982**.

A 20% lighter version of the original color is **41.9717, 25.1560, 41.1715**, and **7.6610, 3.8217, 6.1282** is the 20% darker color. If you saturate the color by 10%, you get **19.4779, 9.6566, 18.2882**, and if you desaturate by 10%, it is **19.9780, 10.1730, 19.9466**.

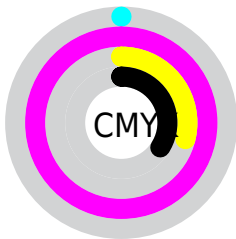
Distribution



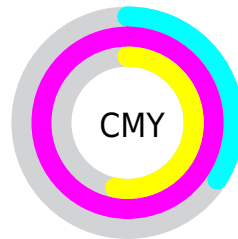
- Red (66%)
- Green (0%)
- Blue (47%)



- Red (66%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (29%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4782, 9.6567, 18.2901 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 19.4782, 9.6567, 18.2901 by changing the saturation by 10% instead.


 19.4782, 9.6567,
18.2901


 19.4782, 9.6567,
18.2901


241.9639,
188.2040, 254.7919


 12.1224, 5.1719,
10.9869


 42.0513, 25.1478,
41.3516


 6.8999, 2.3485,
5.9439


 57.9992, 36.9228,
57.9470


 3.4453, 0.7992,
2.7428

 77.5419, 51.8968,
78.4768

 1.3934, 0.0000,
0.9649

 101.0446, 70.4541,
103.3597

 0.2515, 0.0000,
0.0000

 128.8729, 92.9791,
133.0141

 0.0000, 0.0000,
0.0000

 161.3919,

119.8561, 167.8586

198.9671,
151.4696, 208.3117

■ 19.4782, 9.6567,
18.2901

■ 19.4782, 9.6567,
18.2901

■ 19.4779, 9.6566,
18.2882

■ 19.9780, 10.1730,
19.9466

■ 20.6590, 11.0271,
21.7394

■ 21.5895, 12.3552,
23.6924

■ 22.8000, 14.2180,
25.8168

■ 24.3166, 16.6673,
28.1225

■ 26.1622, 19.7485,
30.6179

■ 28.3574, 23.5027,
33.3109

■ 30.9212, 27.9675,
36.2090

■ 33.8711, 33.1776,
39.3188

Harmonies

Analogous

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



16.1133, 9.6567, 37.7950



19.4782, 9.6567, 18.2901



19.5848, 9.6567, 5.7797

Triad

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



19.4782, 9.6567, 18.2901



7.3273, 9.6567, 0.0000



4.4784, 9.6567, 36.6246

Complementary

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



19.4782, 9.6567, 18.2901



14.5578, 28.2274, 7.5892

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.



3.3211, 9.6567, 17.3122



19.4782, 9.6567, 18.2901



4.5884, 9.6567, 1.0788

Square

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



19.4782, 9.6567, 18.2901



11.5963, 9.6567, 0.0000



3.3539, 9.6567, 5.3299



7.1224, 9.6567, 52.8222

Rectangle

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



19.4782, 9.6567, 18.2901



17.7268, 9.6567, 2.0977



3.3539, 9.6567, 5.3299



3.9448, 9.6567, 29.8319

Sweetspot

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



19.4785, 9.6572, 18.2903



51.2167, 42.2316, 60.1624



8.2690, 3.4467, 37.2753



10.7991, 8.5794, 12.6756



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.



19.4785, 9.6572, 18.2903



35.2479, 17.4843, 32.6727



16.4736, 8.4552, 2.4664



7.7472, 7.6288, 8.9862



14.7320, 7.3015, 13.9321



0.3790, 0.1859, 0.4475

Inverse Universe

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



19.4785, 9.6572, 18.2903



35.2479, 17.4843, 32.6727



18.1408, 29.6606, 26.4572



7.7472, 7.6288, 8.9862



14.7320, 7.3015, 13.9321



0.3790, 0.1859, 0.4475

Previews

White Background



This preview shows how the XYZ color 19.4782, 9.6567, 18.2901 looks on a white background.

Color Contrast Check

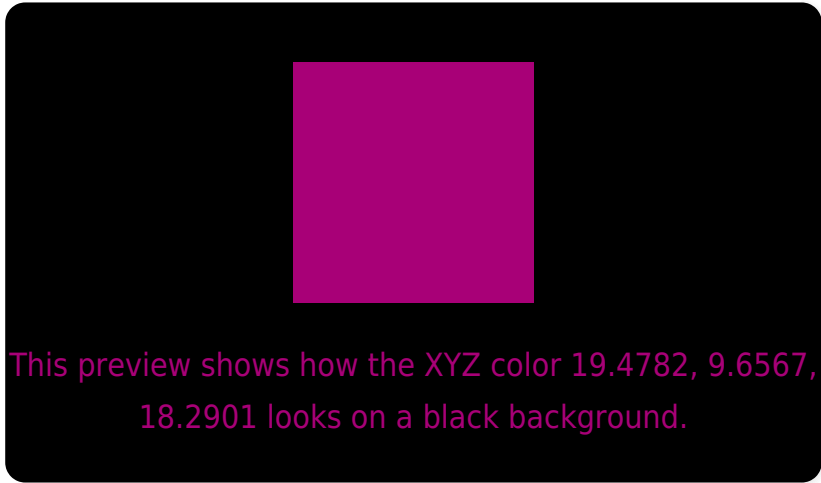
Large Text (above 18pt) WCAG AA ✓ Pass

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

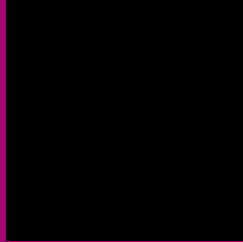
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4782, 9.6567, 18.2901

Background



This preview shows how black text looks on a background with the XYZ color 19.4782, 9.6567, 18.2901.



This preview shows how white text looks on a background with the XYZ color 19.4782, 9.6567,

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

19.4782, 9.6567, 18.2901

Protanopia

11.9177, 10.4861, 39.4261

Deuteranopia

10.4788, 10.2510, 16.4653



Tritanopia

16.6751, 10.0413, 3.9650

Trichromacy



Original Color

19.4782, 9.6567, 18.2901

Protanomaly

11.3145, 7.2869, 30.0883

Deuteranomaly

11.9226, 7.8948, 16.8150

Tritanomaly

17.2174, 9.4223, 7.3898

Monochromacy



Original Color

19.4782, 9.6567, 18.2901

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

7.8727, 5.0508, 8.9475

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4782, 9.6567, 18.2901 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, 119)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 119)  
}
```

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, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 119) }
```

Border

The CSS property to change the border of an element to XYZ 19.4782, 9.6567, 18.2901 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, 119) }
```


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

```
.border{ border-color:rgb(168, 0, 119) }
```

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, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4782, 9.6567, 18.2901 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, 119) }
```

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

```
.background{ background-color: rgb(168, 0,  
119) }
```

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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