

Converting Colors

XYZ(18.5211, 9.1634, 18.2400)

Have a look what the booklet for
XYZ(18.5211, 9.1634, 18.2400)
contains.

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Color

**XYZ(18.4340, 9.1184,
18.2412)**

Conversions

Conversions Part 1

Format	Color
Hex	A30077
RGB	163, 0, 119
RGB Percent	64%, 0%, 47%
CMY	0.3608, 0.9999, 0.5333
CMYK	0.00, 1.00, 0.27, 0.36
HSL	316°, 100%, 32%
HSV	316°, 100%, 64%
XYZ	18.4340, 9.1184, 18.2412
YIQ	62.3030, 58.9490, 71.5650

Conversions

Conversions Part 2

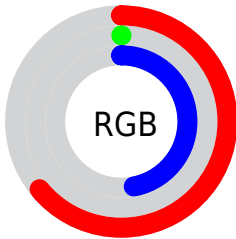
Format	Color
R_{YB}	163, 0, 119
Decimal	10682487
CIE _{Lab}	36.21, 64.37, -20.23
CIE _{LCh}	36, 67.478, 342.550
Yxy	9.1184, 0.4025, 0.1991
Android (android.graphics.Color)	4288872567 (0xFFA30077)
YUV	62.3030, 27.9516, 88.3113
Hunter-Lab	30.1967, 56.1237, -14.6782

Details

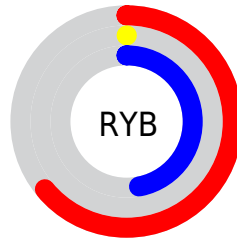
The XYZ color **18.4340, 9.1184, 18.2412** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **13.5525, 26.3766, 6.7617**, and the grayscale version is **4.5790, 4.8175, 5.2462**.

A 20% lighter version of the original color is **40.2709, 24.0618, 41.0500**, and **7.0493, 3.5064, 6.0996** is the 20% darker color. If you saturate the color by 10%, you get **18.4338, 9.1183, 18.2396**, and if you desaturate by 10%, it is **18.8947, 9.6068, 19.7291**.

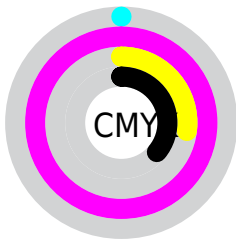
Distribution



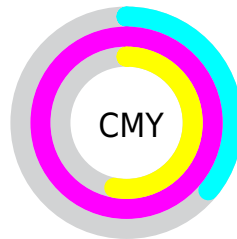
- Red (64%)
- Green (0%)
- Blue (47%)



- Red (64%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (27%)
- Black (36%)



- Cyan (36%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4340, 9.1184, 18.2412 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 18.4340, 9.1184, 18.2412 by changing the saturation by 10% instead.

■ 18.4340, 9.1184,
18.2412

■ 18.4340, 9.1184,
18.2412

236.3046,
184.2587, 254.5087

■ 11.3636, 4.8185,
10.9521

■ 40.2998, 24.1235,
41.2674

■ 6.3810, 2.1412,
5.9208

■ 55.8259, 35.5975,
57.8415

■ 3.1210, 0.6876,
2.7290

■ 74.9012, 50.2317,
78.3477

■ 1.2181, 0.0000,
0.9580

■ 97.8912, 68.4104,
103.2045

■ 0.1206, 0.0000,
0.0000

■ 125.1612, 90.5181,
132.8305

■ 0.0000, 0.0000,
0.0000

■ 157.0765,

116.9391, 167.6441

194.0025,
148.0578, 208.0640

■ 18.4340, 9.1184,
18.2412

■ 18.4340, 9.1184,
18.2412

■ 18.4338, 9.1183,
18.2396

■ 18.8947, 9.6068,
19.7291

■ 19.5209, 10.4066,
21.3334

■ 20.3779, 11.6480,
23.0765

■ 21.4941, 13.3872,
24.9687

■ 22.8934, 15.6722,
27.0188

■ 24.5972, 18.5451,
29.2346

■ 26.6244, 22.0440,
31.6231

■ 28.9927, 26.2037,
34.1910

■ 31.7183, 31.0565,
36.9442

Harmonies

Analogous

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



15.0798, 9.1184, 37.1308



18.4340, 9.1184, 18.2412



18.7208, 9.1184, 5.8242

Triad

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



18.4340, 9.1184, 18.2412



7.0807, 9.1184, 0.0000



4.0988, 9.1184, 33.9730

Complementary

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



18.4340, 9.1184, 18.2412



13.5525, 26.3766, 6.7617

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.



3.0670, 9.1184, 15.6130



18.4340, 9.1184, 18.2412



4.3916, 9.1184, 0.8895

Square

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



18.4340, 9.1184, 18.2412



11.2210, 9.1184, 0.0000



3.1541, 9.1184, 4.6254



6.5329, 9.1184, 50.0893

Rectangle

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



18.4340, 9.1184, 18.2412



17.0388, 9.1184, 2.1092



3.1541, 9.1184, 4.6254



3.6164, 9.1184, 27.4372

Sweetspot

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



18.4343, 9.1189, 18.2414



47.4596, 39.0915, 56.3827



7.6277, 3.1688, 34.8600



10.3189, 8.1897, 12.2708



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.4343, 9.1189, 18.2414



32.9259, 16.2952, 32.2052



15.4551, 7.9272, 2.5534



7.2823, 7.1694, 8.4731



14.3461, 7.0945, 14.2789



0.3195, 0.1563, 0.3951

Inverse Universe

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



18.4343, 9.1189, 18.2414



32.9259, 16.2952, 32.2052



16.7973, 27.6745, 23.8489



7.2823, 7.1694, 8.4731



14.3461, 7.0945, 14.2789



0.3195, 0.1563, 0.3951

Previews

White Background



This preview shows how the XYZ color 18.4340, 9.1184, 18.2412 looks on a white background.

Color Contrast Check

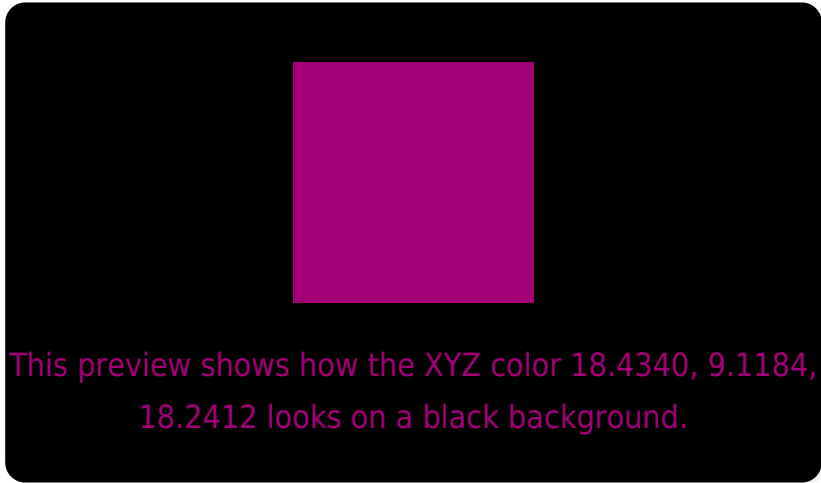
Large Text (above 18pt) WCAG AA ✓ Pass

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

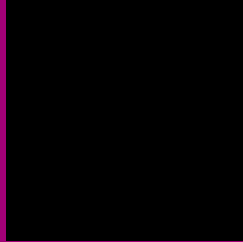
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4340, 9.1184, 18.2412

Background



This preview shows how black text looks on a background with the XYZ color 18.4340, 9.1184, 18.2412.



This preview shows how white text looks on a background with the XYZ color 18.4340, 9.1184,

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

18.4340, 9.1184, 18.2412

Protanopia

11.2850, 9.8127, 38.8354

Deuteranopia

9.8532, 9.6881, 16.3896



Tritanopia

15.6714, 9.5239, 3.9180

Trichromacy



Original Color

18.4340, 9.1184, 18.2412



Protanomaly

10.6514, 6.8040, 30.0301



Deuteranomaly

11.2135, 7.4580, 16.7681



Tritanomaly

16.1975, 8.8965, 7.3421

Monochromacy



Original Color

18.4340, 9.1184, 18.2412



Achromatopsia

4.5787, 4.8172, 5.2459



Achromatomaly

7.4324, 4.7282, 8.7045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4340, 9.1184, 18.2412 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(163, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(163, 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(163, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 0, 119) }
```

Border

The CSS property to change the border of an element to XYZ 18.4340, 9.1184, 18.2412 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(163, 0, 119) }
```


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

```
.border{ border-color:rgb(163, 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(163, 0, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(163, 0,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4340, 9.1184, 18.2412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 0, 119) }
```

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

```
.background{ background-color: rgb(163, 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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