

Converting Colors

XYZ(18.6595, 9.3367, 13.6452)

Have a look what the booklet for
XYZ(18.6595, 9.3367, 13.6452)
contains.

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Color

**XYZ(18.5966, 9.3041,
13.6477)**

Conversions

Conversions Part 1

Format	Color
Hex	A80067
RGB	168, 0, 103
RGB Percent	66%, 0%, 40%
CMY	0.3412, 0.9999, 0.5961
CMYK	0.00, 1.00, 0.39, 0.34
HSL	323°, 100%, 33%
HSV	323°, 100%, 66%
XYZ	18.5966, 9.3041, 13.6477
YIQ	61.9740, 67.0650, 67.6490

Conversions

Conversions Part 2

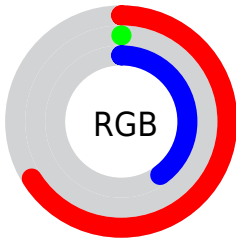
Format	Color
R_{YB}	168, 0, 103
Decimal	11010151
CIE _{Lab}	36.56, 63.70, -9.46
CIE _{LCh}	37, 64.403, 351.549
Yxy	9.3041, 0.4476, 0.2239
Android (android.graphics.Color)	4289200231 (0xFFA80067)
YUV	61.9740, 20.2258, 92.9848
Hunter-Lab	30.5026, 55.4469, -5.1761

Details

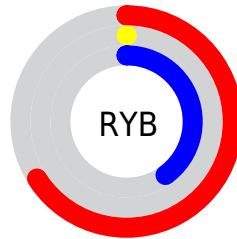
The XYZ color **18.5966, 9.3041, 13.6477** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **14.9578, 28.3873, 9.6957**, and the grayscale version is **4.5419, 4.7785, 5.2038**.

A 20% lighter version of the original color is **40.6963, 24.5644, 33.1683**, and **7.1442, 3.6005, 4.0598** is the 20% darker color. If you saturate the color by 10%, you get **18.5961, 9.3039, 13.6452**, and if you desaturate by 10%, it is **19.1335, 9.8353, 15.4998**.

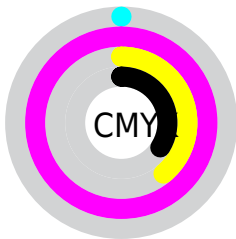
Distribution



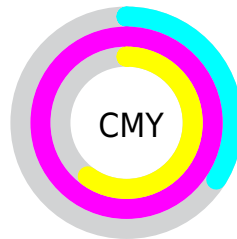
- Red (66%)
- Green (0%)
- Blue (40%)



- Red (66%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (39%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5966, 9.3041, 13.6477 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 18.5966, 9.3041, 13.6477 by changing the saturation by 10% instead.


 18.5966, 9.3041,
13.6477


 18.5966, 9.3041,
13.6477


237.1937,
185.6305, 226.3797


 11.4814, 4.9401,
7.7401


 40.5735, 24.4781,
33.1707


 6.4613, 2.2121,
3.8437


 56.1659, 36.0568,
47.6232

 3.1709, 0.7266,
1.5400

 75.3148, 50.8093,
65.7610

 1.2448, 0.0000,
0.2475

 98.3855, 69.1198,
88.0028

 0.1413, 0.0000,
0.0000

 125.7434, 91.3728,
114.7670

 0.0000, 0.0000,
0.0000

 157.7539,

117.9526, 146.4722

194.7822,
149.2437, 183.5369

■ 18.5966, 9.3041,
13.6477

■ 18.5966, 9.3041,
13.6477

■ 18.5961, 9.3039,
13.6452

■ 19.1335, 9.8353,
15.4998

■ 19.8623, 10.7086,
17.5437

■ 20.8514, 12.0602,
19.8051

■ 22.1317, 13.9510,
22.2966

■ 23.7295, 16.4329,
25.0297

■ 25.6680, 19.5514,
28.0144

■ 27.9683, 23.3477,
31.2602

■ 30.6494, 27.8595,
34.7758

■ 33.7292, 33.1217,
38.5693

Harmonies

Analogous

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



16.1614, 9.3041, 30.3703



18.5966, 9.3041, 13.6477



17.8753, 9.3041, 4.0883

Triad

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



18.5966, 9.3041, 13.6477



6.3525, 9.3041, 0.2194



4.9339, 9.3041, 38.2040

Complementary

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



18.5966, 9.3041, 13.6477



14.9578, 28.3873, 9.6957

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.



3.5201, 9.3041, 20.3141



18.5966, 9.3041, 13.6477



4.1546, 9.3041, 1.7610

Square

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



18.5966, 9.3041, 13.6477



9.9985, 9.3041, 0.0000



3.2847, 9.3041, 7.2765



7.7806, 9.3041, 50.0290

Rectangle

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



18.5966, 9.3041, 13.6477



15.7729, 9.3041, 1.4968



3.2847, 9.3041, 7.2765



4.3150, 9.3041, 32.2682

Sweetspot

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



18.5969, 9.3046, 13.6478



50.4985, 41.9444, 56.3804



9.2096, 3.9317, 37.3192



10.6254, 8.5099, 11.7607



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.



18.5969, 9.3046, 13.6478



33.6376, 16.8402, 24.1929



16.2716, 8.3745, 1.4032



7.7170, 7.6167, 8.8271



14.0687, 7.0362, 10.4394



0.3662, 0.1808, 0.3799

Inverse Universe

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



18.5969, 9.3046, 13.6478



33.6376, 16.8402, 24.1929



19.3801, 30.1562, 32.9837



7.7170, 7.6167, 8.8271



14.0687, 7.0362, 10.4394



0.3662, 0.1808, 0.3799

Previews

White Background



This preview shows how the XYZ color 18.5966, 9.3041, 13.6477 looks on a white background.

Color Contrast Check

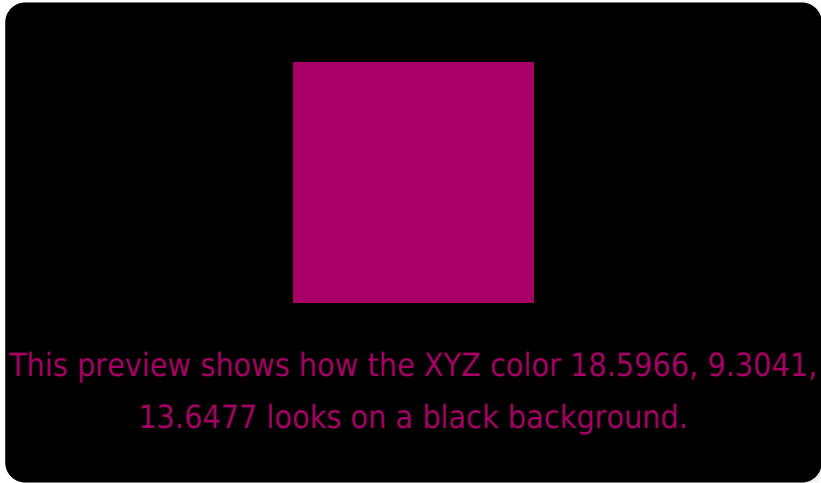
Large Text (above 18pt) WCAG AA ✓ Pass

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

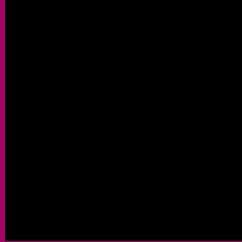
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.5966, 9.3041, 13.6477

Background



This preview shows how black text looks on a background with the XYZ color 18.5966, 9.3041, 13.6477.



This preview shows how white text looks on a background with the XYZ color 18.5966, 9.3041, 13.6477.

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

18.5966, 9.3041, 13.6477

Protanopia

10.8678, 10.0445, 29.3830

Deuteranopia

10.0552, 9.8798, 12.4434



Tritanopia

16.5207, 9.6456, 3.1815

Trichromacy



Original Color

18.5966, 9.3041, 13.6477

Protanomaly

11.0105, 7.2231, 22.6437

Deuteranomaly

11.5035, 7.6982, 12.6840

Tritanomaly

16.8119, 9.1083, 5.7225

Monochromacy



Original Color

18.5966, 9.3041, 13.6477

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.4319, 4.7536, 7.5470

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5966, 9.3041, 13.6477 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, 103)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 103)  
}
```

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, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 103) }
```

Border

The CSS property to change the border of an element to XYZ 18.5966, 9.3041, 13.6477 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, 103) }
```


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

```
.border{ border-color:rgb(168, 0, 103) }
```

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, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(168, 0,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5966, 9.3041, 13.6477 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, 103) }
```

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

```
.background{ background-color: rgb(168, 0,  
103) }
```

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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