

Converting Colors

XYZ(18.0379, 8.4564, 12.4470)

Have a look what the booklet for
XYZ(18.0379, 8.4564, 12.4470)
contains.

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Color

**XYZ(18.4006, 9.2257,
12.6153)**

Conversions

Conversions Part 1

Format	Color
Hex	A80063
RGB	168, 0, 99
RGB Percent	66%, 0%, 39%
CMY	0.3412, 0.9999, 0.6118
CMYK	0.00, 1.00, 0.41, 0.34
HSL	325°, 100%, 33%
HSV	325°, 100%, 66%
XYZ	18.4006, 9.2257, 12.6153
YIQ	61.5180, 68.3490, 66.4050

Conversions

Conversions Part 2

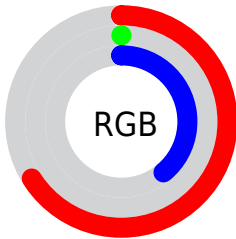
Format	Color
R_{YB}	168, 0, 99
Decimal	11010147
CIE Lab	36.42, 63.32, -7.13
CIE LCh	36, 63.719, 353.575
Yxy	9.2257, 0.4573, 0.2293
Android (android.graphics.Color)	4289200227 (0xFFA80063)
YUV	61.5180, 18.4786, 93.3847
Hunter-Lab	30.3738, 54.9818, -3.3635

Details

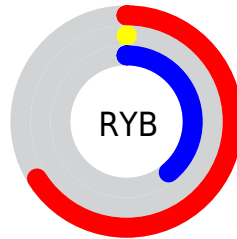
The XYZ color **18.4006, 9.2257, 12.6153** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **15.0779, 28.4354, 10.3282**, and the grayscale version is **4.4789, 4.7121, 5.1315**.

A 20% lighter version of the original color is **40.3686, 24.4333, 31.4426**, and **7.0730, 3.5720, 3.6848** is the 20% darker color. If you saturate the color by 10%, you get **18.4001, 9.2255, 12.6128**, and if you desaturate by 10%, it is **18.9426, 9.7589, 14.4940**.

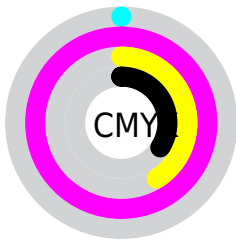
Distribution



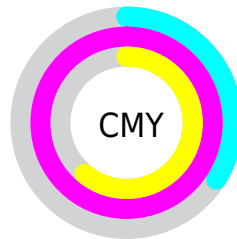
- Red (66%)
- Green (0%)
- Blue (39%)



- Red (66%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (41%)
- Black (34%)




- Cyan (34%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4006, 9.2257, 12.6153 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 18.4006, 9.2257, 12.6153 by changing the saturation by 10% instead.


 18.4006, 9.2257,
12.6153


 18.4006, 9.2257,
12.6153


236.1216,
185.0528, 219.5578


 11.3394, 4.8887,
7.0366


 40.2435, 24.3286,
31.2919


 6.3646, 2.1821,
3.4062


 55.7560, 35.8632,
45.2268


 3.1108, 0.7102,
1.3056

 74.8162, 50.5658,
62.7843

 1.2126, 0.0000,
0.0664

 97.7895, 68.8209,
84.3828

 0.1163, 0.0000,
0.0000

 125.0414, 91.0127,
110.4408

 0.0000, 0.0000,
0.0000

 156.9371,

117.5257, 141.3770

193.8421,
148.7442, 177.6098

■ 18.4006, 9.2257,
12.6153

■ 18.4006, 9.2257,
12.6153

■ 18.4001, 9.2255,
12.6128

■ 18.9426, 9.7589,
14.4940

■ 19.6793, 10.6354,
16.5801

■ 20.6795, 11.9914,
18.8997

■ 21.9740, 13.8880,
21.4662

■ 23.5894, 16.3768,
24.2915

■ 25.5488, 19.5037,
27.3863

■ 27.8734, 23.3098,
30.7605

■ 30.5825, 27.8328,
34.4233

■ 33.6940, 33.1076,
38.3833

Harmonies

Analogous

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



16.1957, 9.2257, 28.6804



18.4006, 9.2257, 12.6153



17.4779, 9.2257, 3.7182

Triad

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



18.4006, 9.2257, 12.6153



6.1235, 9.2257, 0.3065



5.0600, 9.2257, 38.6761

Complementary

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



18.4006, 9.2257, 12.6153



15.0779, 28.4354, 10.3282

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.



3.5751, 9.2257, 21.1652



18.4006, 9.2257, 12.6153



4.0513, 9.2257, 1.9737

Square

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



18.4006, 9.2257, 12.6153



9.6254, 9.2257, 0.0000



3.2694, 9.2257, 7.8503



7.9645, 9.2257, 49.4087

Rectangle

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



18.4006, 9.2257, 12.6153



15.3167, 9.2257, 1.3640



3.2694, 9.2257, 7.8503



4.4172, 9.2257, 32.9632

Sweetspot

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



18.4009, 9.2262, 12.6154



50.3236, 41.8744, 55.4594



9.3977, 4.0286, 37.3281



10.5832, 8.4930, 11.5388



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.



18.4009, 9.2262, 12.6154



33.2807, 16.6974, 22.3135



16.2485, 8.3653, 1.2813



7.7095, 7.6137, 8.7877



13.9210, 6.9771, 9.6612



0.3632, 0.1795, 0.3640

Inverse Universe

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



18.4009, 9.2262, 12.6154



33.2807, 16.6974, 22.3135



19.6053, 30.2464, 34.1693



7.7095, 7.6137, 8.7877



13.9210, 6.9771, 9.6612



0.3632, 0.1795, 0.3640

Previews

White Background



This preview shows how the XYZ color 18.4006, 9.2257, 12.6153 looks on a white background.

Color Contrast Check

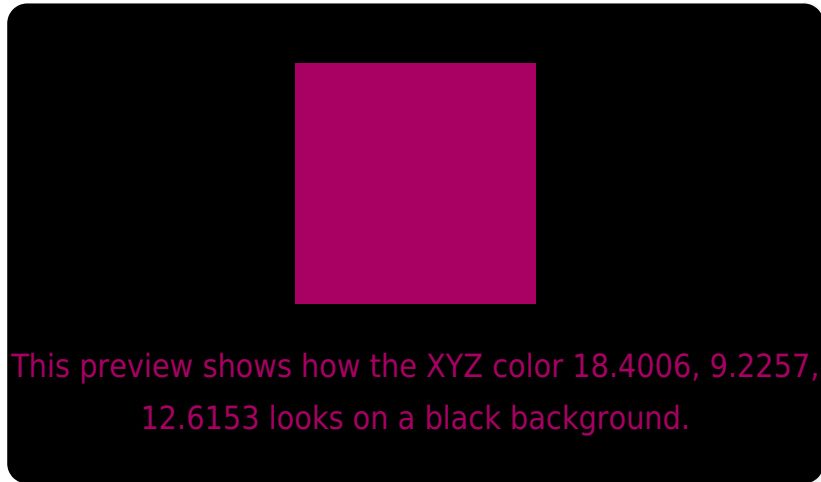
Large Text (above 18pt) WCAG AA ✓ Pass

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

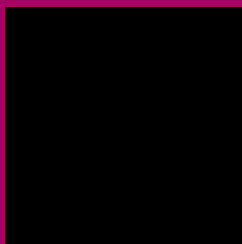
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.4006, 9.2257, 12.6153

Background



This preview shows how black text looks on a background with the XYZ color 18.4006, 9.2257, 12.6153.



This preview shows how white text looks on a background with the XYZ color 18.4006, 9.2257,

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

18.4006, 9.2257, 12.6153

Protanopia

10.6054, 9.9627, 26.9552

Deuteranopia

10.0834, 9.9151, 11.5076



Tritanopia

16.6256, 9.6036, 2.9849

Trichromacy



Original Color

18.4006, 9.2257, 12.6153

Protanomaly

10.8410, 7.1818, 20.5535

Deuteranomaly

11.4578, 7.6962, 11.7081

Tritanomaly

16.9158, 9.1392, 5.2874

Monochromacy



Original Color

18.4006, 9.2257, 12.6153

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

7.3623, 4.7257, 7.1807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4006, 9.2257, 12.6153 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, 99)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 99)  
}
```

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, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 99) }
```

Border

The CSS property to change the border of an element to XYZ 18.4006, 9.2257, 12.6153 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, 99) }
```


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

```
.border{ border-color:rgb(168, 0, 99) }
```

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, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 99);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 99)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.4006, 9.2257, 12.6153 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, 99) }
```

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

```
.background{ background-color: rgb(168, 0,  
99) }
```

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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