

Converting Colors

XYZ(16.3364, 8.1072, 14.9117)

Have a look what the booklet for
XYZ(16.3364, 8.1072, 14.9117)
contains.

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Color

**XYZ(16.4171, 8.1506,
14.8953)**

Conversions

Conversions Part 1

Format	Color
Hex	9C006C
RGB	156, 0, 108
RGB Percent	61%, 0%, 42%
CMY	0.3882, 0.9999, 0.5765
CMYK	0.00, 1.00, 0.31, 0.39
HSL	318°, 100%, 31%
HSV	318°, 100%, 61%
XYZ	16.4171, 8.1506, 14.8953
YIQ	58.9560, 58.3080, 66.6600

Conversions

Conversions Part 2

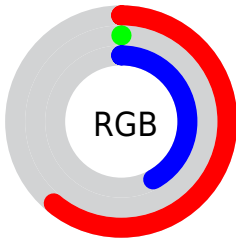
Format	Color
RYB	156, 0, 108
Decimal	10223724
CIELab	34.29, 61.67, -16.34
CIElCh	34, 63.796, 345.161
Yxy	8.1506, 0.4160, 0.2065
Android (android.graphics.Color)	4288413804 (0xFF9C006C)
YUV	58.9560, 24.1787, 85.1076
Hunter-Lab	28.5493, 52.6843, -10.9495

Details

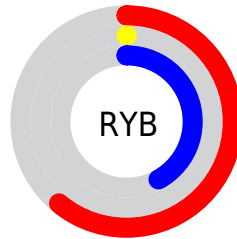
The XYZ color **16.4171, 8.1506, 14.8953** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **12.4226, 23.9907, 6.7741**, and the grayscale version is **4.1148, 4.3291, 4.7144**.

A 20% lighter version of the original color is **37.0234, 22.2929, 35.6093**, and **5.9612, 2.9789, 4.5358** is the 20% darker color. If you saturate the color by 10%, you get **16.4169, 8.1506, 14.8939**, and if you desaturate by 10%, it is **16.8595, 8.6151, 16.3383**.

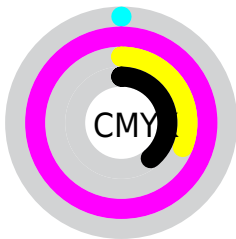
Distribution



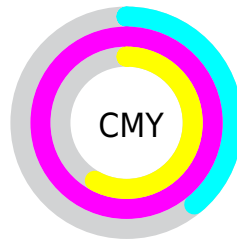
- Red (61%)
- Green (0%)
- Blue (42%)



- Red (61%)
- Yellow (0%)
- Blue (42%)



- Cyan (0%)
- Magenta (100%)
- Yellow (31%)
- Black (39%)




- Cyan (39%)
- Magenta (100%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4171, 8.1506, 14.8953 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 16.4171, 8.1506, 14.8953 by changing the saturation by 10% instead.


 16.4171, 8.1506,
14.8953


 16.4171, 8.1506,
14.8953


225.0128,
176.9085, 234.3505

 9.9125, 4.1915,
8.6001

 36.8724, 22.2532,
35.4091


 5.4028, 1.7812,
4.3881

 51.5539, 33.1654,
50.4648


 2.5227, 0.4754,
1.8406

 69.6917, 47.1640,
69.2778

 0.9067, 0.0000,
0.4545

 91.6511, 64.6336,
92.2666

 0.0000, 0.0000,
0.0000

 117.7976, 85.9584,
119.8497

 148.4965,

111.5229, 152.4457

184.1131,
141.7115, 190.4731

16.4171, 8.1506,
14.8953

16.4171, 8.1506,
14.8953

16.4169, 8.1506,
14.8939

16.8595, 8.6151,
16.3383

17.4524, 9.3579,
17.9020

18.2574, 10.5015,
19.6079

19.2998, 12.0964,
21.4655

20.6011, 14.1852,
23.4831

■ 22.1804, 16.8060,
25.6679

■ 24.0551, 19.9928,
28.0268

■ 26.2408, 23.7770,
30.5658

■ 28.7522, 28.1874,
33.2909

Harmonies

Analogous

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



13.6790, 8.1506, 31.0892



16.4171, 8.1506, 14.8953



16.4006, 8.1506, 4.6743

Triad

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



16.4171, 8.1506, 14.8953



6.0923, 8.1506, 0.0000



3.8559, 8.1506, 31.2696

Complementary

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



16.4171, 8.1506, 14.8953



12.4226, 23.9907, 6.7741

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.



2.8431, 8.1506, 15.0464



16.4171, 8.1506, 14.8953



3.8388, 8.1506, 0.9891

Square

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



16.4171, 8.1506, 14.8953



9.6337, 8.1506, 0.0000



2.8380, 8.1506, 4.7442



6.1241, 8.1506, 44.4658

Rectangle

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



16.4171, 8.1506, 14.8953



14.7913, 8.1506, 1.6988



2.8380, 8.1506, 4.7442



3.3929, 8.1506, 25.6085

Sweetspot

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



16.4174, 8.1511, 14.8954



43.4689, 35.9321, 50.6360



7.1646, 3.0006, 31.6542



9.2613, 7.3878, 10.7677



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



16.4174, 8.1511, 14.8954



29.7262, 14.7671, 26.5703



13.9607, 7.1684, 1.9590



6.8172, 6.7198, 7.8883



13.5384, 6.7199, 12.3520



0.2600, 0.1273, 0.3152

Inverse Universe

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



16.4174, 8.1511, 14.8954



29.7262, 14.7671, 26.5703



15.5779, 25.2528, 23.3896



6.8172, 6.7198, 7.8883



13.5384, 6.7199, 12.3520



0.2600, 0.1273, 0.3152

Previews

White Background



This preview shows how the XYZ color 16.4171, 8.1506, 14.8953 looks on a white background.

Color Contrast Check

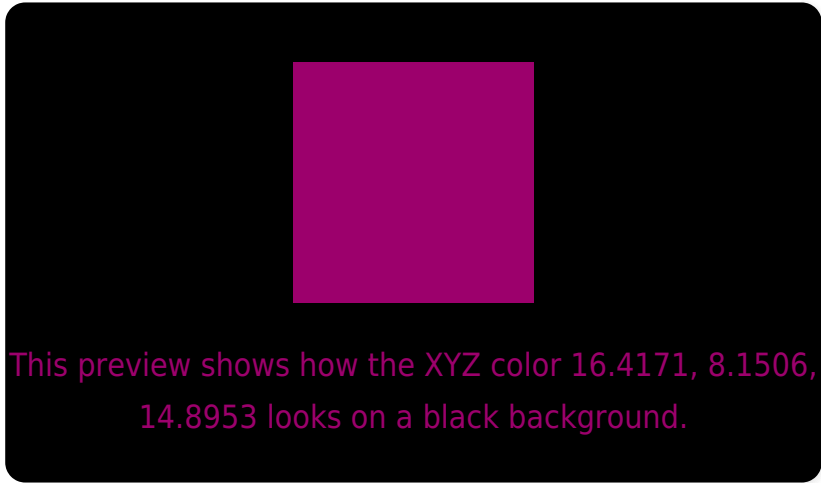
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4171, 8.1506, 14.8953

Background



This preview shows how black text looks on a background with the XYZ color 16.4171, 8.1506, 14.8953.



This preview shows how white text looks on a background with the XYZ color 16.4171, 8.1506,

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

16.4171, 8.1506, 14.8953

Protanopia

9.9475, 8.8223, 31.7504

Deuteranopia

8.9335, 8.8132, 13.5422



Tritanopia

14.2674, 8.5850, 3.2880

Trichromacy



Original Color

16.4171, 8.1506, 14.8953

Protanomaly

9.6738, 6.2884, 24.3708

Deuteranomaly

10.1571, 6.7705, 13.8682

Tritanomaly

14.5419, 7.9614, 6.0805

Monochromacy



Original Color

16.4171, 8.1506, 14.8953

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6488, 4.3017, 7.5011

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4171, 8.1506, 14.8953 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(156, 0, 108)` looks like.

```
.text, #text, p{  
    color:rgb(156, 0, 108)  
}
```

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(156, 0, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 0, 108) }
```

Border

The CSS property to change the border of an element to XYZ 16.4171, 8.1506, 14.8953 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(156, 0, 108) }
```


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

```
.border{ border-color:rgb(156, 0, 108) }
```

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

Here you see how a box with a 4 pixel rgb(156, 0, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 0, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 0, 108);  
box-shadow:4px 4px 4px 4px rgb(156, 0,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4171, 8.1506, 14.8953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 0, 108) }
```

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

```
.background{ background-color: rgb(156, 0,  
108) }
```

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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