

Converting Colors

XYZ(16.3813, 8.0701, 17.6997)

Have a look what the booklet for
XYZ(16.3813, 8.0701, 17.6997)
contains.

XYZ(16.4069, 8.0803, 17.8345)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.4069, 8.0803,
17.8345)**

Conversions

Conversions Part 1

Format	Color
Hex	990076
RGB	153, 0, 118
RGB Percent	60%, 0%, 46%
CMY	0.4000, 0.9999, 0.5373
CMYK	0.00, 1.00, 0.23, 0.40
HSL	314°, 100%, 30%
HSV	314°, 100%, 60%
XYZ	16.4069, 8.0803, 17.8345
YIQ	59.1990, 53.3100, 69.1340

Conversions

Conversions Part 2

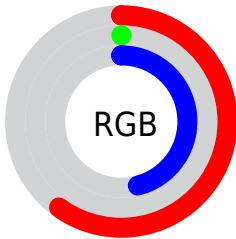
Format	Color
R_{YB}	153, 0, 118
Decimal	10027126
CIE _{Lab}	34.15, 62.24, -22.96
CIE _{LCh}	34, 66.337, 339.747
Yxy	8.0803, 0.3877, 0.1909
Android (android.graphics.Color)	4288217206 (0xFF990076)
YUV	59.1990, 28.9889, 82.2635
Hunter-Lab	28.4259, 53.2817, -17.3007

Details

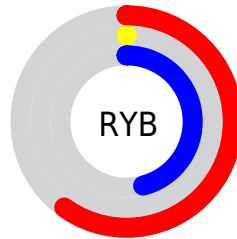
The XYZ color **16.4069, 8.0803, 17.8345** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.6951, 22.9042, 5.3960**, and the grayscale version is **4.1420, 4.3577, 4.7456**.

A 20% lighter version of the original color is **36.7735, 22.0589, 40.3498**, and **6.0039, 2.9711, 5.8873** is the 20% darker color. If you saturate the color by 10%, you get **16.4068, 8.0803, 17.8334**, and if you desaturate by 10%, it is **16.7943, 8.5158, 19.0091**.

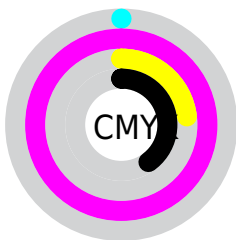
Distribution



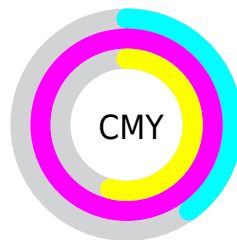
- Red (60%)
- Green (0%)
- Blue (46%)



- Red (60%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (23%)
- Black (40%)



- Cyan (40%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 16.4069, 8.0803, 17.8345 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 16.4069, 8.0803, 17.8345 by changing the saturation by 10% instead.


 16.4069, 8.0803,
17.8345


 16.4069, 8.0803,
17.8345


224.9544,
176.3605, 252.1413


 9.9052, 4.1464,
10.6630


 36.8549, 22.1157,
40.5652


 5.3979, 1.7558,
5.7294

 51.5320, 32.9860,
56.9616


 2.5197, 0.4594,
2.6151

 69.6649, 46.9372,
77.2700

 0.9052, 0.0000,
0.9003


 91.6190, 64.3537,
101.9089


 0.0000, 0.0000,
0.0000


 117.7596, 85.6198,
131.2970


 148.4522,


111.1201, 165.8527

 184.0620,
141.2388, 205.9946


 16.4069, 8.0803,
17.8345

 16.4069, 8.0803,
17.8345


 16.4068, 8.0803,
17.8334

 16.7943, 8.5158,
19.0091

 17.3187, 9.2131,
20.2679

 18.0401, 10.2916,
21.6313

 18.9823, 11.7991,
23.1075

 20.1658, 13.7762,
24.7038

■ 21.6087, 16.2592,
26.4266

■ 23.3272, 19.2803,
28.2817

■ 25.3364, 22.8695,
30.2745

■ 27.6501, 27.0543,
32.4099

Harmonies

Analogous

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



13.1463, 8.0803, 35.3585



16.4069, 8.0803, 17.8345



16.9690, 8.0803, 5.7958

Triad

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



16.4069, 8.0803, 17.8345



6.5441, 8.0803, 0.0000



3.4254, 8.0803, 29.1364

Complementary

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



16.4069, 8.0803, 17.8345



11.6951, 22.9042, 5.3960

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.



2.6066, 8.0803, 12.6910



16.4069, 8.0803, 17.8345



3.9881, 8.0803, 0.5505

Square

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



16.4069, 8.0803, 17.8345



10.3970, 8.0803, 0.0000



2.7731, 8.0803, 3.4851



5.4832, 8.0803, 44.7518

Rectangle

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



16.4069, 8.0803, 17.8345



15.6001, 8.0803, 2.0900



2.7731, 8.0803, 3.4851



3.0315, 8.0803, 23.1558

Sweetspot

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



16.4072, 8.0807, 17.8346



41.5758, 34.1736, 50.4415



6.3824, 2.6263, 30.3077



8.9080, 7.0651, 10.8504



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



16.4072, 8.0807, 17.8346



29.3091, 14.4414, 31.5510



13.5799, 6.9498, 2.9462



6.4007, 6.2995, 7.4904



13.5729, 6.6834, 14.8076



0.2162, 0.1052, 0.2913

Inverse Universe

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



16.4072, 8.0807, 17.8346



29.3091, 14.4414, 31.5510



14.1872, 23.9010, 18.5192



6.4007, 6.2995, 7.4904



13.5729, 6.6834, 14.8076



0.2162, 0.1052, 0.2913

Previews

White Background



This preview shows how the XYZ color 16.4069, 8.0803, 17.8345 looks on a white background.

Color Contrast Check

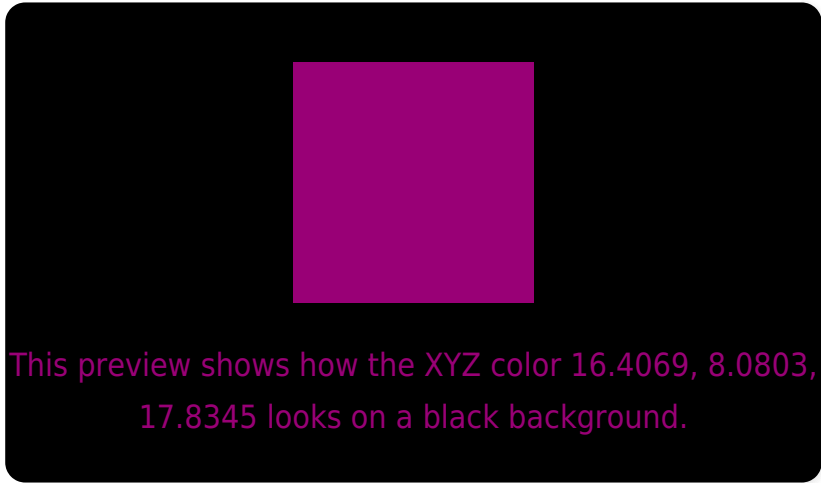
Large Text (above 18pt) WCAG AA ✓ Pass

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

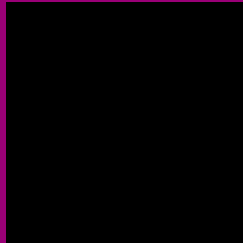
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.4069, 8.0803, 17.8345

Background



This preview shows how black text looks on a background with the XYZ color 16.4069, 8.0803, 17.8345.



This preview shows how white text looks on a background with the XYZ color 16.4069, 8.0803,

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

16.4069, 8.0803, 17.8345

Protanopia

10.2899, 8.7466, 38.1917

Deuteranopia

8.8123, 8.6969, 15.9661



Tritanopia

13.7836, 8.5507, 3.8297

Trichromacy



Original Color

16.4069, 8.0803, 17.8345

Protanomaly

9.2146, 5.8718, 29.5019

Deuteranomaly

9.9175, 6.5913, 16.3723

Tritanomaly

14.2780, 7.9070, 7.2522

Monochromacy



Original Color

16.4069, 8.0803, 17.8345

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.6553, 4.2926, 8.0672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4069, 8.0803, 17.8345 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(153, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(153, 0, 118)  
}
```

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(153, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 16.4069, 8.0803, 17.8345 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(153, 0, 118) }
```


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

```
.border{ border-color:rgb(153, 0, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 0, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(153, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4069, 8.0803, 17.8345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 0, 118) }
```

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

```
.background{ background-color: rgb(153, 0,  
118) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor