

Converting Colors

XYZ(15.5398, 7.6307, 17.9107)

Have a look what the booklet for
XYZ(15.5398, 7.6307, 17.9107)
contains.

XYZ(15.4828, 7.6039, 17.7912)	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(15.4828, 7.6039,
17.7912)**

Conversions

Conversions Part 1

Format	Color
Hex	940076
RGB	148, 0, 118
RGB Percent	58%, 0%, 46%
CMY	0.4196, 0.9999, 0.5373
CMYK	0.00, 1.00, 0.20, 0.42
HSL	312°, 100%, 29%
HSV	312°, 100%, 58%
XYZ	15.4828, 7.6039, 17.7912
YIQ	57.7040, 50.3300, 68.0740

Conversions

Conversions Part 2

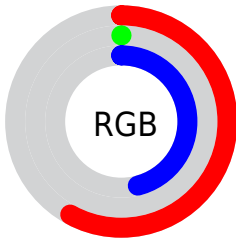
Format	Color
R_{YB}	148, 0, 118
Decimal	9699446
CIE _{Lab}	33.14, 61.24, -24.61
CIE _{LCh}	33, 66.002, 338.108
Yxy	7.6039, 0.3788, 0.1860
Android (android.graphics.Color)	4287889526 (0xFF940076)
YUV	57.7040, 29.7259, 79.1896
Hunter-Lab	27.5752, 51.9669, -18.9506

Details

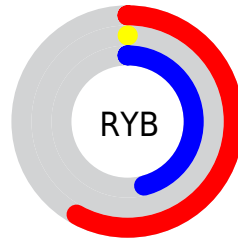
The XYZ color **15.4828, 7.6039, 17.7912** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.8247, 21.2740, 4.7651**, and the grayscale version is **3.9403, 4.1455, 4.5144**.

A 20% lighter version of the original color is **35.2937, 21.1930, 40.2607**, and **5.4878, 2.7050, 5.8631** is the 20% darker color. If you saturate the color by 10%, you get **15.4827, 7.6039, 17.7904**, and if you desaturate by 10%, it is **15.8323, 8.0129, 18.8015**.

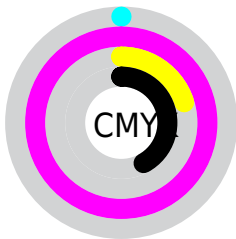
Distribution



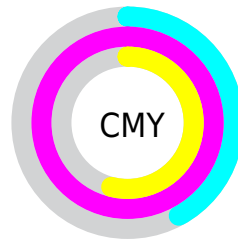
- Red (58%)
- Green (0%)
- Blue (46%)



- Red (58%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (20%)
- Black (42%)



- Cyan (42%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4828, 7.6039, 17.7912 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 15.4828, 7.6039, 17.7912 by changing the saturation by 10% instead.

15.4828, 7.6039,
17.7912

15.4828, 7.6039,
17.7912

219.6011,
172.5914, 251.8880

9.2474, 3.8426,
10.6323

35.2627, 21.1782,
40.4903

4.9613, 1.5859,
5.7091

49.5380, 31.7599,
56.8676

2.2591, 0.3481,
2.6031

67.2239, 45.3839,
77.1548

0.7736, 0.0000,
0.8941


88.6858, 62.4345,
101.7705


0.0000, 0.0000,
0.0000


114.2892, 83.2962,
131.1330


144.3993,

108.3533, 165.6611

 179.3814,
137.9902, 205.7733


 15.4828, 7.6039,
17.7912


 15.4828, 7.6039,
17.7912


 15.4827, 7.6039,
17.7904

 15.8323, 8.0129,
18.8015

 16.3056, 8.6604,
19.8813

 16.9599, 9.6607,
21.0499

 17.8173, 11.0578,
22.3150

 18.8964, 12.8890,
23.6829

■ 20.2140, 15.1876,
25.1595

■ 21.7849, 17.9835,
26.7501

■ 23.6230, 21.3039,
28.4594

■ 25.7410, 25.1745,
30.2919

Harmonies

Analogous

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



12.2497, 7.6039, 34.7403



15.4828, 7.6039, 17.7912



16.1906, 7.6039, 5.8393

Triad

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



15.4828, 7.6039, 17.7912



6.3157, 7.6039, 0.0000



3.1083, 7.6039, 26.8799

Complementary

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



15.4828, 7.6039, 17.7912



10.8247, 21.2740, 4.7651

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.



2.3901, 7.6039, 11.3191



15.4828, 7.6039, 17.7912



3.8083, 7.6039, 0.3644

Square

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



15.4828, 7.6039, 17.7912



10.0501, 7.6039, 0.0000



2.5964, 7.6039, 2.9578



4.9897, 7.6039, 42.3342

Rectangle

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



15.4828, 7.6039, 17.7912



14.9739, 7.6039, 2.1000



2.5964, 7.6039, 2.9578



2.7561, 7.6039, 21.1495

Sweetspot

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



15.4831, 7.6043, 17.7913



38.2560, 31.4042, 47.0219



5.8697, 2.4087, 28.1728



8.4808, 6.7181, 10.4843



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.4831, 7.6043, 17.7913



27.2556, 13.3915, 31.0601



12.6754, 6.4812, 3.0065



5.9855, 5.8892, 7.0296



13.2344, 6.4988, 15.2473



0.1722, 0.0836, 0.2406

Inverse Universe

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



15.4831, 7.6043, 17.7913



27.2556, 13.3915, 31.0601



13.0689, 22.1716, 16.5825



5.9855, 5.8892, 7.0296



13.2344, 6.4988, 15.2473



0.1722, 0.0836, 0.2406

Previews

White Background



This preview shows how the XYZ color 15.4828, 7.6039, 17.7912 looks on a white background.

Color Contrast Check

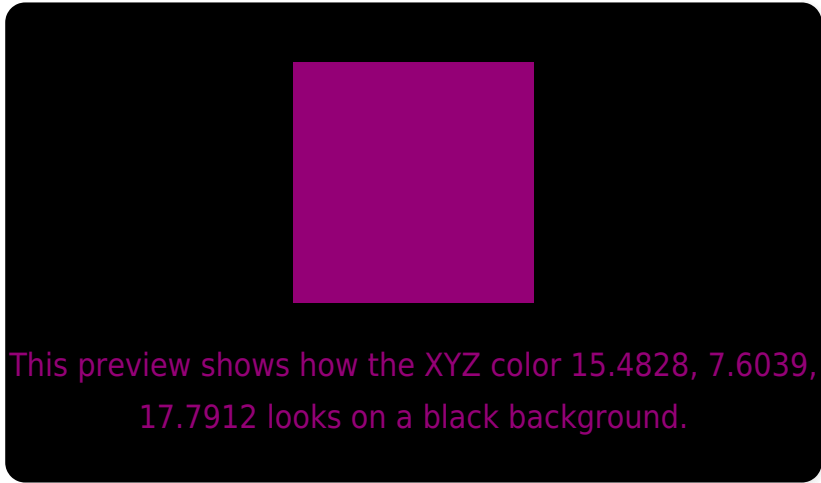
Large Text (above 18pt) WCAG AA ✓ Pass

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

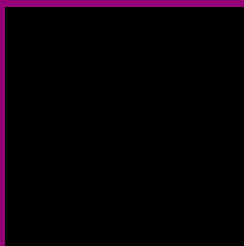
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4828, 7.6039, 17.7912

Background



This preview shows how black text looks on a background with the XYZ color 15.4828, 7.6039, 17.7912.



This preview shows how white text looks on a background with the XYZ color 15.4828, 7.6039,

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

15.4828, 7.6039, 17.7912

Protanopia

9.6073, 8.2020, 37.1532

Deuteranopia

8.4104, 8.2627, 16.1905



Tritanopia

12.6867, 7.9265, 3.7670

Trichromacy



Original Color

15.4828, 7.6039, 17.7912



Protanomaly

8.0867, 5.2354, 29.0181



Deuteranomaly

9.4766, 6.2919, 16.6346



Tritanomaly

13.1770, 7.3024, 7.1936

Monochromacy



Original Color

15.4828, 7.6039, 17.7912



Achromatopsia

4.0217, 4.2311, 4.6077



Achromatomaly

6.4239, 4.1265, 8.0473

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4828, 7.6039, 17.7912 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(148, 0, 118)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.4828, 7.6039, 17.7912 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(148, 0, 118) }
```


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

```
.border{ border-color:rgb(148, 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(148, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(148, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4828, 7.6039, 17.7912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 0, 118) }
```

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

```
.background{ background-color: rgb(148, 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