

Converting Colors

XYZ(13.6438, 4.3617, 17.8710)

Have a look what the booklet for
XYZ(13.6438, 4.3617, 17.8710)
contains.

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Color

**XYZ(15.2442, 7.4671,
18.4071)**

Conversions

Conversions Part 1

Format	Color
Hex	920078
RGB	146, 0, 120
RGB Percent	57%, 0%, 47%
CMY	0.4275, 0.9999, 0.5294
CMYK	0.00, 1.00, 0.18, 0.43
HSL	311°, 100%, 29%
HSV	311°, 100%, 57%
XYZ	15.2442, 7.4671, 18.4071
YIQ	57.3340, 48.4960, 68.2720

Conversions

Conversions Part 2

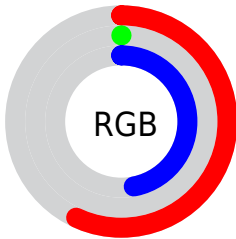
Format	Color
RYB	146, 0, 120
Decimal	9568376
CIELab	32.85, 61.11, -26.37
CIELCh	33, 66.556, 336.661
Yxy	7.4671, 0.3707, 0.1816
Android (android.graphics.Color)	4287758456 (0xFF920078)
YUV	57.3340, 30.8943, 77.7601
Hunter-Lab	27.3260, 51.7583, -20.8102

Details

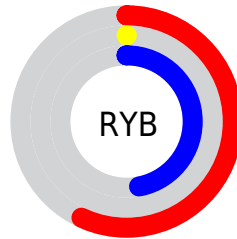
The XYZ color **15.2442, 7.4671, 18.4071** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.4658, 20.6326, 4.4093**, and the grayscale version is **3.8905, 4.0931, 4.4574**.

A 20% lighter version of the original color is **35.0291, 21.0234, 41.7468**, and **5.4517, 2.6791, 6.1910** is the 20% darker color. If you saturate the color by 10%, you get **15.2441, 7.4670, 18.4061**, and if you desaturate by 10%, it is **15.5698, 7.8621, 19.3049**.

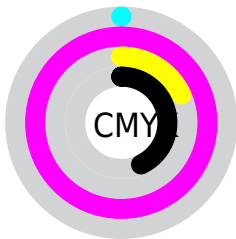
Distribution



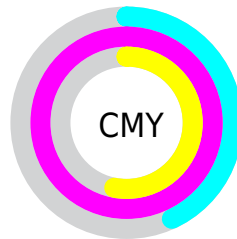
- Red (57%)
- Green (0%)
- Blue (47%)



- Red (57%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (43%)



- Cyan (43%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.2442, 7.4671, 18.4071 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 15.2442, 7.4671, 18.4071 by changing the saturation by 10% instead.


 15.2442, 7.4671,
18.4071


 15.2442, 7.4671,
18.4071


218.1988,
171.4904, 255.4685


 9.0784, 3.7559,
11.0702


 34.8492, 20.9069,
41.5531


 4.8499, 1.5380,
5.9993

 49.0190, 31.4043,
58.1992

 2.1933, 0.3152,
2.7759

 66.5876, 44.9326,
78.7855

 0.7392, 0.0000,
0.9814


 87.9202, 61.8760,
103.7305

 0.0000, 0.0000,
0.0000

 113.3823, 82.6192,
133.4528


 143.3392,


107.5464, 168.3709


 178.1562,
137.0420, 208.9032

 15.2442, 7.4671,
18.4071


 15.2442, 7.4671,
18.4071


 15.2441, 7.4670,
18.4061

 15.5698, 7.8621,
19.3049

 16.0134, 8.4863,
20.2634

 16.6312, 9.4522,
21.3014

 17.4446, 10.8021,
22.4262

 18.4716, 12.5721,
23.6441

■ 19.7283, 14.7944,
24.9604

■ 21.2291, 17.4977,
26.3802

■ 22.9874, 20.7087,
27.9081

■ 25.0153, 24.4518,
29.5483

Harmonies

Analogous

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



11.9221, 7.4671, 35.4666



15.2442, 7.4671, 18.4071



16.1009, 7.4671, 6.0932

Triad

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



15.2442, 7.4671, 18.4071



6.3448, 7.4671, 0.0000



2.9515, 7.4671, 25.9243

Complementary

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



15.2442, 7.4671, 18.4071



10.4658, 20.6326, 4.4093

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.



2.2915, 7.4671, 10.5775



15.2442, 7.4671, 18.4071



3.7894, 7.4671, 0.2268

Square

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



15.2442, 7.4671, 18.4071



10.1115, 7.4671, 0.0000



2.5376, 7.4671, 2.6353



4.7508, 7.4671, 41.7770

Rectangle

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



15.2442, 7.4671, 18.4071



14.9713, 7.4671, 2.1857



2.5376, 7.4671, 2.6353



2.6216, 7.4671, 20.2092

Sweetspot

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



15.2445, 7.4675, 18.4072



37.2734, 30.5467, 46.3768



5.5736, 2.2742, 27.3394



8.0620, 6.3799, 10.1044



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



15.2445, 7.4675, 18.4072



26.8360, 13.1501, 32.1745



12.4019, 6.3305, 3.4386



5.9915, 5.8916, 7.0611



13.4222, 6.5739, 16.2359



0.1736, 0.0842, 0.2478

Inverse Universe

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



15.2445, 7.4675, 18.4072



26.8360, 13.1501, 32.1745



12.4527, 21.4274, 14.8721



5.9915, 5.8916, 7.0611



13.4222, 6.5739, 16.2359



0.1736, 0.0842, 0.2478

Previews

White Background



This preview shows how the XYZ color 15.2442, 7.4671, 18.4071 looks on a white background.

Color Contrast Check

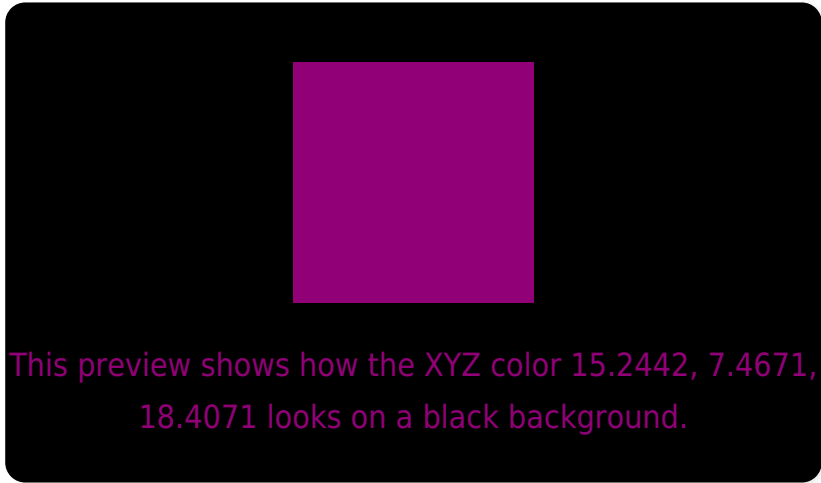
Large Text (above 18pt) WCAG AA ✓ Pass

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

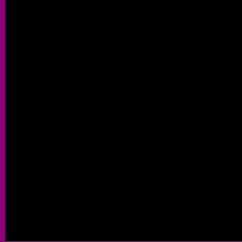
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.2442, 7.4671, 18.4071

Background



This preview shows how black text looks on a background with the XYZ color 15.2442, 7.4671, 18.4071.



This preview shows how white text looks on a background with the XYZ color 15.2442, 7.4671, 18.4071.

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

15.2442, 7.4671, 18.4071

Protanopia

9.4454, 8.0244, 36.6483

Deuteranopia

8.2309, 8.0494, 16.7427



Tritanopia

12.4075, 7.8388, 3.8767

Trichromacy



Original Color

15.2442, 7.4671, 18.4071



Protanomaly

7.9913, 5.1234, 29.0015



Deuteranomaly

9.2228, 6.0835, 17.2111



Tritanomaly

12.8896, 7.1873, 7.3645

Monochromacy



Original Color

15.2442, 7.4671, 18.4071



Achromatopsia

3.8890, 4.0915, 4.4557



Achromatomaly

6.1987, 3.9648, 8.0280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.2442, 7.4671, 18.4071 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(146, 0, 120)` looks like.

```
.text, #text, p{  
    color:rgb(146, 0, 120)  
}
```

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(146, 0, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 120) }
```

Border

The CSS property to change the border of an element to XYZ 15.2442, 7.4671, 18.4071 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(146, 0, 120) }
```


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

```
.border{ border-color:rgb(146, 0, 120) }
```

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

Here you see how a box with a 4 pixel rgb(146, 0, 120) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 120);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 15.2442, 7.4671, 18.4071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 0, 120) }
```

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

```
.background{ background-color: rgb(146, 0,  
120) }
```

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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