

Converting Colors

XYZ(13.4481, 3.7838, 15.7789)

Have a look what the booklet for
XYZ(13.4481, 3.7838, 15.7789)
contains.

XYZ(15.3751, 7.5818, 16.2759)	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(15.3751, 7.5818,
16.2759)**

Conversions

Conversions Part 1

Format	Color
Hex	950071
RGB	149, 0, 113
RGB Percent	58%, 0%, 44%
CMY	0.4157, 0.9999, 0.5569
CMYK	0.00, 1.00, 0.24, 0.42
HSL	314°, 100%, 29%
HSV	314°, 100%, 58%
XYZ	15.3751, 7.5818, 16.2759
YIQ	57.4330, 52.5310, 66.7310

Conversions

Conversions Part 2

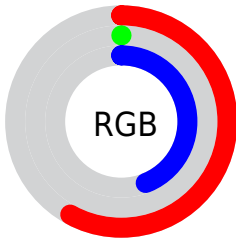
Format	Color
R_{YB}	149, 0, 113
Decimal	9764977
CIE _{Lab}	33.10, 60.81, -21.49
CIE _{LCh}	33, 64.500, 340.534
Yxy	7.5818, 0.3919, 0.1933
Android (android.graphics.Color)	4287955057 (0xFF950071)
YUV	57.4330, 27.3945, 80.3043
Hunter-Lab	27.5351, 51.4849, -15.7716

Details

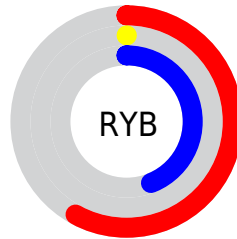
The XYZ color **15.3751, 7.5818, 16.2759** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **11.0664, 21.6226, 5.2606**, and the grayscale version is **3.9073, 4.1108, 4.4766**.

A 20% lighter version of the original color is **35.1081, 21.1509, 37.8294**, and **5.4683, 2.7088, 5.2357** is the 20% darker color. If you saturate the color by 10%, you get **15.3750, 7.5818, 16.2749**, and if you desaturate by 10%, it is **15.7516, 8.0039, 17.4215**.

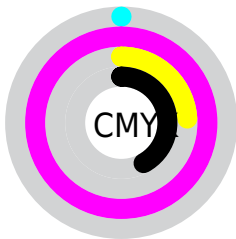
Distribution



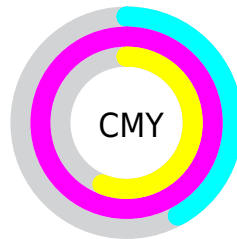
- Red (58%)
- Green (0%)
- Blue (44%)



- Red (58%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (24%)
- Black (42%)





- Cyan (42%)
- Magenta (100%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.3751, 7.5818, 16.2759 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 15.3751, 7.5818, 16.2759 by changing the saturation by 10% instead.


 15.3751, 7.5818,
16.2759


 15.3751, 7.5818,
16.2759


218.9691,
172.4141, 242.8653


 9.1711, 3.8285,
9.5631


 35.0762, 21.1344,
37.8500


 4.9109, 1.5781,
5.0085

 49.3039, 31.7026,
53.5483


 2.2293, 0.3428,
2.1934

 66.9370, 45.3111,
73.0790

 0.7581, 0.0000,
0.6706


 88.3407, 62.3445,
96.8604


 0.0000, 0.0000,
0.0000


 113.8804, 83.1871,
125.3113


 143.9215,


108.2233, 158.8500

 178.8293,
137.8375, 197.8952

 15.3751, 7.5818,
16.2759


 15.3751, 7.5818,
16.2759


 15.3750, 7.5818,
16.2749

 15.7516, 8.0039,
17.4215

 16.2565, 8.6698,
18.6500

 16.9476, 9.6949,
19.9811

 17.8473, 11.1240,
21.4228

 18.9748, 12.9950,
22.9818

■ 20.3468, 15.3418,
24.6641

■ 21.9788, 18.1947,
26.4754

■ 23.8848, 21.5817,
28.4207

■ 26.0777, 25.5286,
30.5047

Harmonies

Analogous

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



12.3928, 7.5818, 32.5066



15.3751, 7.5818, 16.2759



15.8195, 7.5818, 5.2636

Triad

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



15.3751, 7.5818, 16.2759



6.0675, 7.5818, 0.0000



3.2689, 7.5818, 27.5954

Complementary

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



15.3751, 7.5818, 16.2759



11.0664, 21.6226, 5.2606

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.



2.4754, 7.5818, 12.2082



15.3751, 7.5818, 16.2759



3.7162, 7.5818, 0.5622

Square

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



15.3751, 7.5818, 16.2759



9.6327, 7.5818, 0.0000



2.6080, 7.5818, 3.4283



5.2259, 7.5818, 41.8908

Rectangle

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



15.3751, 7.5818, 16.2759



14.5020, 7.5818, 1.9004



2.6080, 7.5818, 3.4283



2.8904, 7.5818, 22.0331

Sweetspot

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



15.3754, 7.5822, 16.2760



39.1661, 32.2407, 47.2061



6.1107, 2.5237, 28.5991



8.4236, 6.6953, 10.1834



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.



15.3754, 7.5822, 16.2760



27.4610, 13.5486, 28.7596



12.7734, 6.5414, 2.5742



5.9760, 5.8855, 6.9799



12.9521, 6.3859, 13.7606



0.1701, 0.0828, 0.2291

Inverse Universe

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



15.3754, 7.5822, 16.2760



27.4610, 13.5486, 28.7596



13.5227, 22.6052, 18.1951



5.9760, 5.8855, 6.9799



12.9521, 6.3859, 13.7606



0.1701, 0.0828, 0.2291

Previews

White Background



This preview shows how the XYZ color 15.3751, 7.5818, 16.2759 looks on a white background.

Color Contrast Check

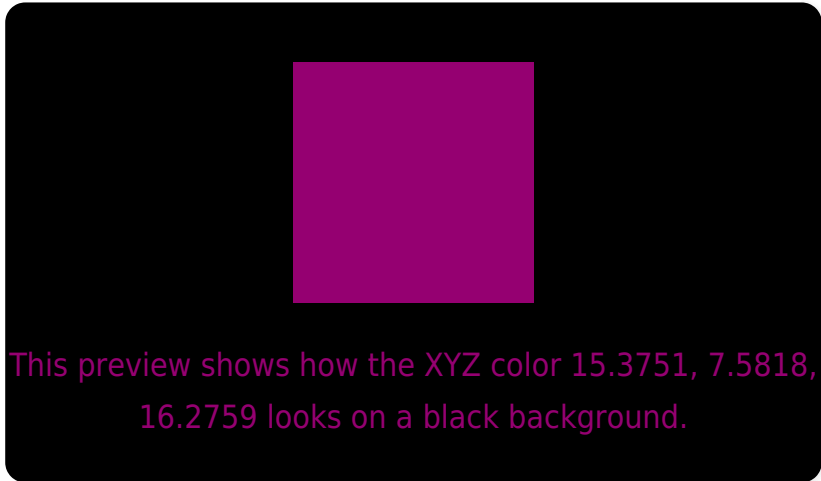
Large Text (above 18pt) WCAG AA ✓ Pass

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

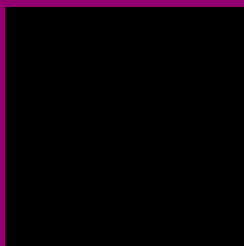
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3751, 7.5818, 16.2759

Background



This preview shows how black text looks on a background with the XYZ color 15.3751, 7.5818, 16.2759.



This preview shows how white text looks on a background with the XYZ color 15.3751, 7.5818,

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

15.3751, 7.5818, 16.2759

Protanopia

9.6363, 8.2689, 34.8064

Deuteranopia

8.3718, 8.2738, 14.7914



Tritanopia

12.9531, 8.0113, 3.5530

Trichromacy



Original Color

15.3751, 7.5818, 16.2759

Protanomaly

8.8471, 5.6725, 27.0142

Deuteranomaly

9.4236, 6.2966, 15.1867

Tritanomaly

13.4308, 7.4447, 6.6903

Monochromacy



Original Color

15.3751, 7.5818, 16.2759

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.1869, 3.9712, 7.4616

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3751, 7.5818, 16.2759 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(149, 0, 113)` looks like.

```
.text, #text, p{  
    color:rgb(149, 0, 113)  
}
```

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(149, 0, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 0, 113) }
```

Border

The CSS property to change the border of an element to XYZ 15.3751, 7.5818, 16.2759 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(149, 0, 113) }
```


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

```
.border{ border-color:rgb(149, 0, 113) }
```

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

Here you see how a box with a 4 pixel rgb(149, 0, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 0, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 0, 113);  
box-shadow:4px 4px 4px 4px rgb(149, 0,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3751, 7.5818, 16.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 0, 113) }
```

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

```
.background{ background-color: rgb(149, 0,  
113) }
```

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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