

Converting Colors

XYZ(13.1934, 3.6150, 17.2601)

Have a look what the booklet for
XYZ(13.1934, 3.6150, 17.2601)
contains.

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Color

**XYZ(15.1241, 7.4190,
17.7744)**

Conversions

Conversions Part 1

Format	Color
Hex	920076
RGB	146, 0, 118
RGB Percent	57%, 0%, 46%
CMY	0.4274, 0.9999, 0.5373
CMYK	0.00, 1.00, 0.19, 0.43
HSL	312°, 100%, 29%
HSV	312°, 100%, 57%
XYZ	15.1241, 7.4190, 17.7744
YIQ	57.1060, 49.1380, 67.6500

Conversions

Conversions Part 2

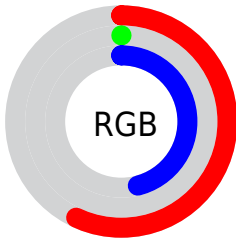
Format	Color
RYB	146, 0, 118
Decimal	9568374
CIELab	32.74, 60.85, -25.27
CIELCh	33, 65.886, 337.450
Yxy	7.4190, 0.3751, 0.1840
Android (android.graphics.Color)	4287758454 (0xFF920076)
YUV	57.1060, 30.0207, 77.9600
Hunter-Lab	27.2378, 51.4478, -19.6240

Details

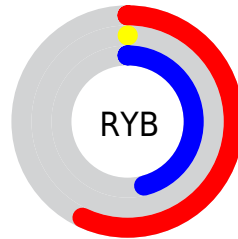
The XYZ color **15.1241, 7.4190, 17.7744** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **10.4890, 20.6420, 4.5311**, and the grayscale version is **3.8613, 4.0624, 4.4240**.

A 20% lighter version of the original color is **34.7420, 20.9085, 40.2349**, and **5.3886, 2.6538, 5.8585** is the 20% darker color. If you saturate the color by 10%, you get **15.1240, 7.4190, 17.7736**, and if you desaturate by 10%, it is **15.4586, 7.8175, 18.7193**.

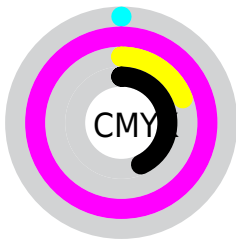
Distribution



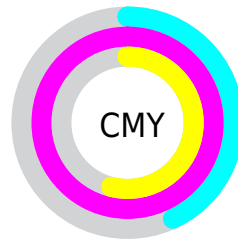
- Red (57%)
- Green (0%)
- Blue (46%)



- Red (57%)
- Yellow (0%)
- Blue (46%)



- Cyan (0%)
- Magenta (100%)
- Yellow (19%)
- Black (43%)




- Cyan (43%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 15.1241, 7.4190, 17.7744 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 15.1241, 7.4190, 17.7744 by changing the saturation by 10% instead.


 15.1241, 7.4190,
17.7744


 15.1241, 7.4190,
17.7744


217.4897,
171.1012, 251.7896


 8.9934, 3.7255,
10.6204


 34.6406, 20.8113,
40.4613


 4.7940, 1.5212,
5.7012

 48.7571, 31.2789,
56.8312


 2.1604, 0.3036,
2.5984

 66.2663, 44.7733,
77.1102

 0.7217, 0.0000,
0.8917

 87.5335, 61.6789,
101.7167

 0.0000, 0.0000,
0.0000

 112.9241, 82.3801,
131.0694

 142.8034,

107.2613, 165.5868

177.5368,
136.7069, 205.6873

15.1241, 7.4190,
17.7744

15.1241, 7.4190,
17.7744

15.1240, 7.4190,
17.7736

15.4586, 7.8175,
18.7193

15.9117, 8.4455,
19.7282

16.5398, 9.4154,
20.8203

17.3641, 10.7696,
22.0027

18.4027, 12.5442,
23.2818

■ 19.6717, 14.7712,
24.6630

■ 21.1855, 17.4797,
26.1515

■ 22.9574, 20.6960,
27.7517

■ 24.9997, 24.4449,
29.4681

Harmonies

Analogous

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



11.9036, 7.4190, 34.4970



15.1241, 7.4190, 17.7744



15.8870, 7.4190, 5.8566

Triad

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



15.1241, 7.4190, 17.7744



6.2259, 7.4190, 0.0000



2.9872, 7.4190, 26.0134

Complementary

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



15.1241, 7.4190, 17.7744



10.4890, 20.6420, 4.5311

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.



2.3069, 7.4190, 10.8003



15.1241, 7.4190, 17.7744



3.7379, 7.4190, 0.2899

Square

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



15.1241, 7.4190, 17.7744



9.9139, 7.4190, 0.0000



2.5279, 7.4190, 2.7630



4.8011, 7.4190, 41.3958

Rectangle

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



15.1241, 7.4190, 17.7744



14.7290, 7.4190, 2.1038



2.5279, 7.4190, 2.7630



2.6508, 7.4190, 20.3826

Sweetspot

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



15.1244, 7.4194, 17.7745



37.1954, 30.5154, 45.9660



5.6347, 2.3057, 27.3424



8.0427, 6.3722, 10.0028



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.



15.1244, 7.4194, 17.7745



26.6210, 13.0641, 31.0424



12.3523, 6.3106, 3.1771



5.9881, 5.8903, 7.0436



13.3168, 6.5318, 15.6813



0.1728, 0.0839, 0.2438

Inverse Universe

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



15.1244, 7.4194, 17.7745



26.6210, 13.0641, 31.0424



12.5684, 21.4737, 15.4812



5.9881, 5.8903, 7.0436



13.3168, 6.5318, 15.6813



0.1728, 0.0839, 0.2438

Previews

White Background



This preview shows how the XYZ color 15.1241, 7.4190, 17.7744 looks on a white background.

Color Contrast Check

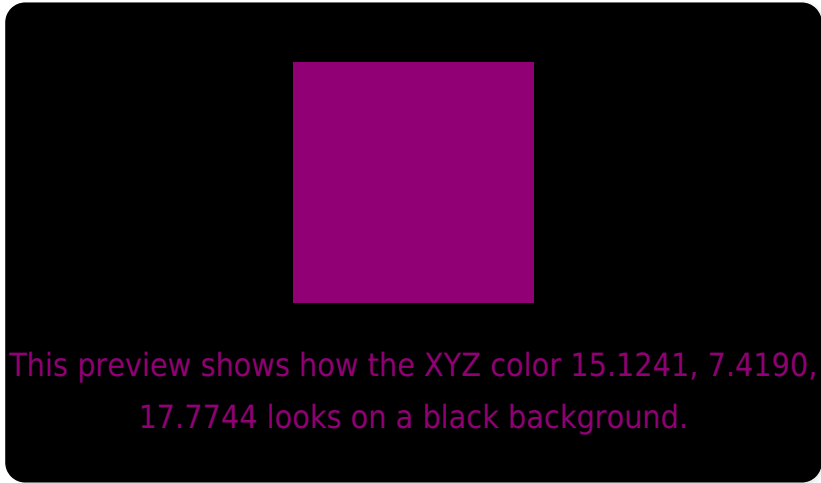
Large Text (above 18pt) WCAG AA ✓ Pass

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

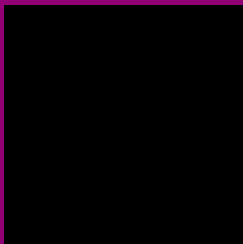
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.1241, 7.4190, 17.7744

Background



This preview shows how black text looks on a background with the XYZ color 15.1241, 7.4190, 17.7744.



This preview shows how white text looks on a background with the XYZ color 15.1241, 7.4190,

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

15.1241, 7.4190, 17.7744

Protanopia

9.3547, 7.9881, 36.1708

Deuteranopia

8.1910, 8.0418, 16.1594



Tritanopia

12.3466, 7.7512, 3.7511

Trichromacy



Original Color

15.1241, 7.4190, 17.7744

Protanomaly

7.8330, 5.0601, 28.1676

Deuteranomaly

9.2149, 6.0928, 16.6099

Tritanomaly

12.8307, 7.1239, 7.1774

Monochromacy



Original Color

15.1241, 7.4190, 17.7744

Achromatopsia

3.8890, 4.0915, 4.4557

Achromatomaly

6.1620, 3.9501, 7.8348

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.1241, 7.4190, 17.7744 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(146, 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(146, 0, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.1241, 7.4190, 17.7744 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, 118) }
```


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

```
.border{ border-color:rgb(146, 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(146, 0, 118) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(146, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.1241, 7.4190, 17.7744 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, 118) }
```

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

```
.background{ background-color: rgb(146, 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](#).

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