

Converting Colors

XYZ(15.7820, 11.4849, 18.6523)

Have a look what the booklet for
XYZ(15.7820, 11.4849, 18.6523)
contains.

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Color

**XYZ(15.7778, 11.4911,
18.5260)**

Conversions

Conversions Part 1

Format	Color
Hex	874B76
RGB	135, 75, 118
RGB Percent	53%, 29%, 46%
CMY	0.4706, 0.7059, 0.5373
CMYK	0.00, 0.44, 0.13, 0.47
HSL	317°, 29%, 41%
HSV	317°, 44%, 53%
XYZ	15.7778, 11.4911, 18.5260
YIQ	97.8420, 21.9570, 26.0930

Conversions

Conversions Part 2

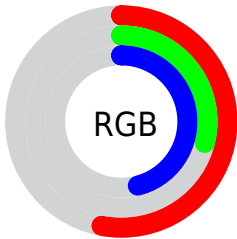
Format	Color
R_{YB}	135, 75, 118
Decimal	8866678
CIE _{Lab}	40.40, 31.71, -13.59
CIE _{LCh}	40, 34.499, 336.799
Yxy	11.4911, 0.3445, 0.2509
Android (android.graphics.Color)	4287056758 (0xFF874B76)
YUV	97.8420, 9.9379, 32.5876
Hunter-Lab	33.8985, 23.7590, -8.6738

Details

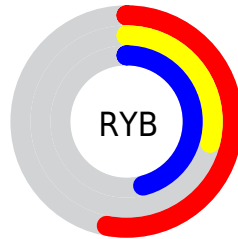
The XYZ color **15.7778, 11.4911, 18.5260** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **13.4979, 19.5969, 13.1972**, and the grayscale version is **11.5429, 12.1440, 13.2248**.

A 20% lighter version of the original color is **35.8245, 28.5167, 41.6463**, and **5.1536, 3.1109, 6.1232** is the 20% darker color. If you saturate the color by 10%, you get **14.7348, 9.7614, 17.0795**, and if you desaturate by 10%, it is **17.0251, 13.6142, 20.0863**.

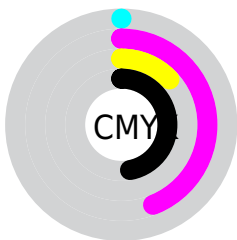
Distribution



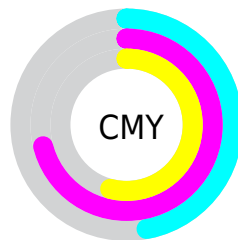
- Red (53%)
- Green (29%)
- Blue (46%)



- Red (53%)
- Yellow (29%)
- Blue (46%)



- Cyan (0%)
- Magenta (44%)
- Yellow (13%)
- Black (47%)



- Cyan (47%)
- Magenta (71%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7778, 11.4911, 18.5260 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 15.7778, 11.4911, 18.5260 by changing the saturation by 10% instead.

15.7778, 11.4911,
18.5260

15.7778, 11.4911,
18.5260

221.3232,
201.0065, 256.1543

9.4569, 6.3982,
11.1550

35.7726, 28.5648,
41.7576

5.0999, 3.0887,
6.0557

50.1772, 41.3143,
58.4552

2.3413, 1.1782,
2.8096

68.0071, 57.3849,
79.0987

0.8157, 0.0438,
0.9983

89.6276, 77.1608,
104.1067

0.0000, 0.0000,
0.0000

115.4041,
101.0266, 133.8977

145.7020,

129.3665, 168.8903

180.8866,
162.5650, 209.5030

■ 15.7778, 11.4911,
18.5260

■ 15.7778, 11.4911,
18.5260

■ 14.7348, 9.7614,
17.0795

■ 17.0251, 13.6142,
20.0863

■ 13.8825, 8.3986,
15.7414

■ 18.4869, 16.1518,
21.7641

■ 13.2072, 7.3756,
14.5068

■ 20.1743, 19.1253,
23.5635

■ 12.6931, 6.6607,
13.3697

■ 22.0971, 22.5543,
25.4884

■ 12.3194, 6.2123,
12.3227

■ 24.2644, 26.4571,
27.5425

■ 12.1377, 6.0093,
11.7680

■ 26.6851, 30.8509,
29.7289

■ 29.3674, 35.7523,
32.0511

■ 32.3193, 41.1769,
34.5122

■ 35.5482, 47.1397,
37.1150

Harmonies

Analogous

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



13.9509, 11.4911, 26.4925



15.7778, 11.4911, 18.5260



16.2207, 11.4911, 11.0005

Triad

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



15.7778, 11.4911, 18.5260



10.3806, 11.4911, 3.3996



7.6055, 11.4911, 22.3048

Complementary

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



15.7778, 11.4911, 18.5260



13.4979, 19.5969, 13.1972

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.



6.9246, 11.4911, 14.1556



15.7778, 11.4911, 18.5260



8.3666, 11.4911, 4.5906

Square

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



15.7778, 11.4911, 18.5260



12.8582, 11.4911, 3.8291



7.1811, 11.4911, 7.9644



9.1905, 11.4911, 29.1782

Rectangle

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



15.7778, 11.4911, 18.5260



15.6206, 11.4911, 7.4167



7.1811, 11.4911, 7.9644



7.2748, 11.4911, 19.5280

Sweetspot

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



15.7782, 11.4916, 18.5262



36.5025, 34.9140, 42.5825



11.3035, 9.0574, 24.0744



8.3057, 7.8234, 9.7092



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



15.7782, 11.4916, 18.5262



26.4303, 17.5512, 30.6495



14.2697, 10.8882, 10.5827



4.8031, 4.7409, 5.5755



11.1983, 5.5437, 10.8824



0.0419, 0.0205, 0.0542

Inverse Universe

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



15.7782, 11.4916, 18.5262



26.4303, 17.5512, 30.6495



15.0789, 20.2293, 21.5227



4.8031, 4.7409, 5.5755



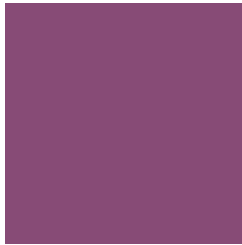
11.1983, 5.5437, 10.8824



0.0419, 0.0205, 0.0542

Previews

White Background



This preview shows how the XYZ color 15.7778, 11.4911, 18.5260 looks on a white background.

Color Contrast Check

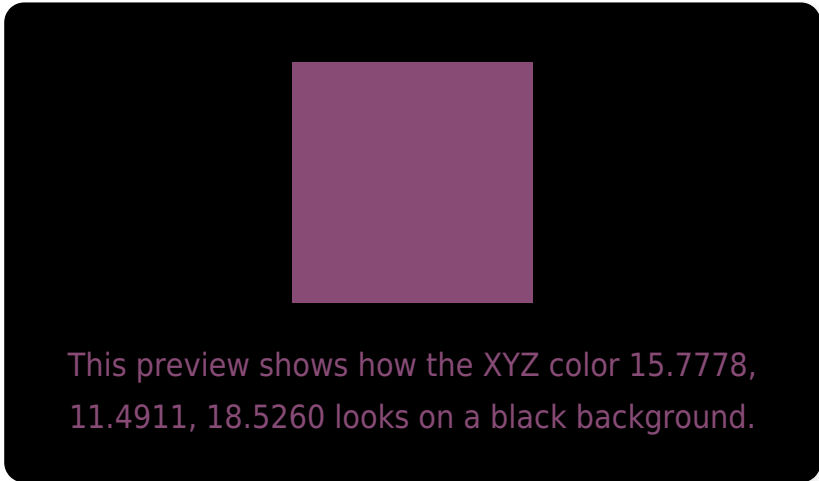
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

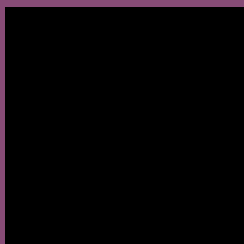
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.7778, 11.4911, 18.5260

Background



This preview shows how black text looks on a background with the XYZ color 15.7778, 11.4911, 18.5260.



This preview shows how white text looks on a background with the XYZ color 15.7778, 11.4911,

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

15.7778, 11.4911, 18.5260

Protanopia

11.8237, 11.5562, 23.4372

Deuteranopia

11.9211, 11.7300, 17.8555



Tritanopia

14.1784, 11.4785, 10.4851

Trichromacy



Original Color

15.7778, 11.4911, 18.5260

Protanomaly

12.8325, 11.2323, 21.5704

Deuteranomaly

12.9910, 11.3923, 18.0372

Tritanomaly

14.6735, 11.4604, 12.9940

Monochromacy



Original Color

15.7778, 11.4911, 18.5260

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.7615, 11.7118, 14.9526

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7778, 11.4911, 18.5260 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(135, 75, 118)` looks like.

```
.text, #text, p{  
    color:rgb(135, 75, 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(135, 75, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 75, 118) }
```

Border

The CSS property to change the border of an element to XYZ 15.7778, 11.4911, 18.5260 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(135, 75, 118) }
```


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

```
.border{ border-color:rgb(135, 75, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 75, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 75, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 75, 118);  
box-shadow:4px 4px 4px 4px rgb(135, 75,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7778, 11.4911, 18.5260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 75, 118) }
```

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

```
.background{ background-color: rgb(135, 75,  
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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