

Converting Colors

XYZ(13.5649, 11.8000, 15.4366)

Have a look what the booklet for
XYZ(13.5649, 11.8000, 15.4366)
contains.

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Color

**XYZ(13.5333, 11.7295,
15.4607)**

Conversions

Conversions Part 1

Format	Color
Hex	76576B
RGB	118, 87, 107
RGB Percent	46%, 34%, 42%
CMY	0.5373, 0.6588, 0.5804
CMYK	0.00, 0.26, 0.09, 0.54
HSL	321°, 15%, 40%
HSV	321°, 26%, 46%
XYZ	13.5333, 11.7295, 15.4607
YIQ	98.5490, 12.0560, 12.7920

Conversions

Conversions Part 2

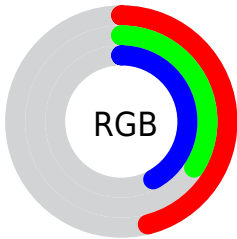
Format	Color
R_{YB}	118, 87, 107
Decimal	7755627
CIE Lab	40.78, 16.34, -6.44
CIE LCh	41, 17.560, 338.489
Yxy	11.7295, 0.3323, 0.2880
Android (android.graphics.Color)	4285945707 (0xFF76576B)
YUV	98.5490, 4.1663, 17.0585
Hunter-Lab	34.2484, 10.6000, -2.7914

Details

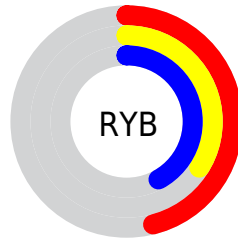
The XYZ color **13.5333, 11.7295, 15.4607** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **12.6140, 15.8654, 13.9535**, and the grayscale version is **11.7346, 12.3457, 13.4444**.

A 20% lighter version of the original color is **31.9118, 29.0179, 36.2668**, and **4.0628, 3.1773, 4.6741** is the 20% darker color. If you saturate the color by 10%, you get **12.4400, 9.8869, 14.0356**, and if you desaturate by 10%, it is **14.7942, 13.8899, 16.9946**.

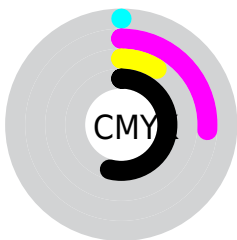
Distribution



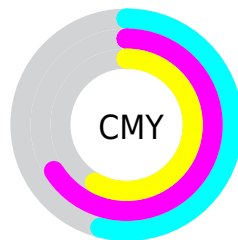
- Red (46%)
- Green (34%)
- Blue (42%)



- Red (46%)
- Yellow (34%)
- Blue (42%)



- Cyan (0%)
- Magenta (26%)
- Yellow (9%)
- Black (54%)



- Cyan (54%)
- Magenta (66%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5333, 11.7295, 15.4607 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 13.5333, 11.7295, 15.4607 by changing the saturation by 10% instead.

■ 13.5333, 11.7295,
15.4607

■ 13.5333, 11.7295,
15.4607

207.8771,
202.6062, 237.8741

■ 7.8763, 6.5598,
8.9931

■ 31.8518, 29.0015,
36.4130

■ 4.0670, 3.1883,
4.6400

■ 45.2441, 41.8725,
51.7349

■ 1.7401, 1.2308,
1.9826

■ 61.9455, 58.0794,
70.8453

■ 0.4812, 0.0867,
0.5445

■ 82.3214, 78.0066,
94.1628

■ 0.0000, 0.0000,
0.0000

■ 106.7372,
102.0385, 122.1059

135.5581,

130.5595, 155.0931

169.1496,
163.9539, 193.5430

■ 13.5333, 11.7295,
15.4607

■ 13.5333, 11.7295,
15.4607

■ 12.4400, 9.8869,
14.0356

■ 14.7942, 13.8899,
16.9946

■ 11.5055, 8.3451,
12.7152

■ 16.2287, 16.3805,
18.6396

■ 10.7218, 7.0883,
11.4962

■ 17.8442, 19.2154,
20.3990

■ 10.0797, 6.0984,
10.3748

■ 19.6469, 22.4070,
22.2757

■ 9.5689, 5.3551,
9.3468

■ 21.6429, 25.9673,
24.2722

■ 9.1779, 4.8355,
8.4076

■ 23.8381, 29.9077,
26.3912

■ 8.8831, 4.4928,
7.5483

■ 26.2381, 34.2391,
28.6352

■ 8.7802, 4.3752,
7.2423

■ 28.8480, 38.9720,
31.0067

■ 31.6732, 44.1164,
33.5080

Harmonies

Analogous

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



12.7096, 11.7295, 18.9410



13.5333, 11.7295, 15.4607



13.6942, 11.7295, 11.7836

Triad

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



13.5333, 11.7295, 15.4607



10.7981, 11.7295, 7.1090



9.3738, 11.7295, 17.5436

Complementary

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



13.5333, 11.7295, 15.4607



12.6140, 15.8654, 13.9535

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.



8.9397, 11.7295, 13.8130



13.5333, 11.7295, 15.4607



9.7208, 11.7295, 8.1122

Square

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



13.5333, 11.7295, 15.4607



12.0518, 11.7295, 7.3855



9.0618, 11.7295, 10.4136



10.2916, 11.7295, 20.2912

Rectangle

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



13.5333, 11.7295, 15.4607



13.3933, 11.7295, 9.7659



9.0618, 11.7295, 10.4136



9.1697, 11.7295, 16.3378

Sweetspot

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



13.5336, 11.7300, 15.4609



28.0238, 27.9103, 32.2004



11.6996, 10.7133, 18.5911



6.3681, 6.2864, 7.3185



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



13.5336, 11.7300, 15.4609



22.5086, 18.4479, 25.5278



12.7964, 11.4351, 11.5785



3.7741, 3.7369, 4.3371



9.4928, 4.7308, 7.8032



45.8409, 22.8865, 35.8210

Inverse Universe

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



13.5336, 11.7300, 15.4609



22.5086, 18.4479, 25.5278



13.4097, 16.1836, 18.1436



3.7741, 3.7369, 4.3371



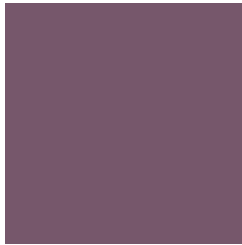
9.4928, 4.7308, 7.8032



45.8409, 22.8865, 35.8210

Previews

White Background



This preview shows how the XYZ color 13.5333, 11.7295, 15.4607 looks on a white background.

Color Contrast Check

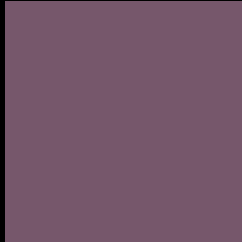
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.5333, 11.7295, 15.4607 looks on a 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 13.5333, 11.7295, 15.4607

Background



This preview shows how black text looks on a background with the XYZ color 13.5333, 11.7295, 15.4607.

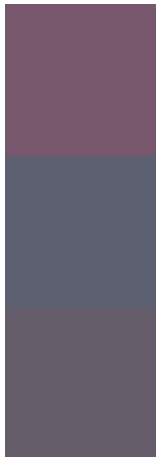


This preview shows how white text looks on a background with the XYZ color 13.5333, 11.7295,

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

13.5333, 11.7295, 15.4607

Protanopia

11.6777, 11.8852, 17.3014

Deuteranopia

11.9711, 11.8127, 15.2848



Tritanopia

13.0198, 11.7712, 12.6522

Trichromacy



Original Color

13.5333, 11.7295, 15.4607

Protanomaly

12.2631, 11.8012, 16.6704

Deuteranomaly

12.4060, 11.6486, 15.2302

Tritanomaly

13.1261, 11.6815, 13.6195

Monochromacy



Original Color

13.5333, 11.7295, 15.4607

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.4343, 12.2079, 14.2714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5333, 11.7295, 15.4607 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(118, 87, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 87, 107)  
}
```

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(118, 87, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 87, 107) }
```

Border

The CSS property to change the border of an element to XYZ 13.5333, 11.7295, 15.4607 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(118, 87, 107) }
```


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

```
.border{ border-color:rgb(118, 87, 107) }
```

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

Here you see how a box with a 4 pixel rgb(118, 87, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 87, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 87, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 87,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 13.5333, 11.7295, 15.4607 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 87, 107) }
```

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

```
.background{ background-color: rgb(118, 87,  
107) }
```

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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