

Converting Colors

XYZ(12.6979, 11.1467, 11.1103)

Have a look what the booklet for
XYZ(12.6979, 11.1467, 11.1103)
contains.

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Color

**XYZ(12.7017, 11.1571,
11.1569)**

Conversions

Conversions Part 1

Format	Color
Hex	77555A
RGB	119, 85, 90
RGB Percent	47%, 33%, 35%
CMY	0.5333, 0.6667, 0.6471
CMYK	0.00, 0.29, 0.24, 0.53
HSL	351°, 17%, 40%
HSV	351°, 29%, 47%
XYZ	12.7017, 11.1571, 11.1569
YIQ	95.7360, 18.6590, 8.7630

Conversions

Conversions Part 2

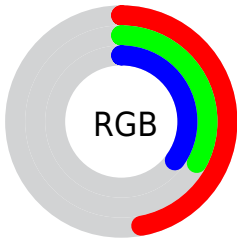
Format	Color
R_{YB}	119, 85, 90
Decimal	7820634
CIE Lab	39.84, 14.92, 2.69
CIE LCh	40, 15.165, 10.231
Yxy	11.1571, 0.3627, 0.3186
Android (android.graphics.Color)	4286010714 (0xFF77555A)
YUV	95.7360, -2.8278, 20.4025
Hunter-Lab	33.4022, 9.4233, 3.5777

Details

The XYZ color **12.7017, 11.1571, 11.1569** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **13.3809, 16.3401, 18.3691**, and the grayscale version is **11.0580, 11.6339, 12.6693**.

A 20% lighter version of the original color is **30.4109, 27.9921, 28.6111**, and **3.7250, 2.9426, 2.8543** is the 20% darker color. If you saturate the color by 10%, you get **11.4395, 9.2776, 8.7481**, and if you desaturate by 10%, it is **14.1811, 13.3765, 13.9295**.

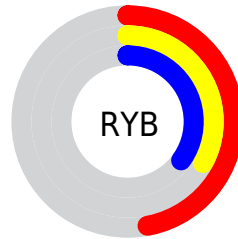
Distribution



Red (47%)

Green (33%)

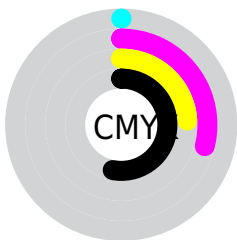
Blue (35%)



Red (47%)

Yellow (33%)

Blue (35%)

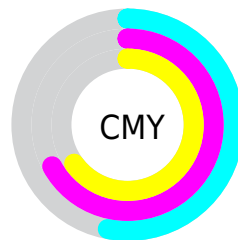


Cyan (0%)

Magenta (29%)

Yellow (24%)

Black (53%)



Cyan (53%)

Magenta (67%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7017, 11.1571, 11.1569 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 12.7017, 11.1571, 11.1569 by changing the saturation by 10% instead.

■ 12.7017, 11.1571,
11.1569

■ 12.7017, 11.1571,
11.1569

202.6734,
198.7422, 209.5168

■ 7.2990, 6.1726,
6.0570

■ 30.3727, 27.9503,
28.5910

■ 3.6978, 2.9503,
2.8104

■ 43.3718, 40.5278,
41.7623

■ 1.5326, 1.1058,
0.9987

■ 59.6337, 56.4051,
58.4611

■ 0.3479, 0.0000,
0.0000

■ 79.5238, 75.9666,
79.1059

■ 0.0000, 0.0000,
0.0000

■ 103.4075, 99.5966,
104.1154

131.6501,

127.6796, 133.9080

164.6170,
160.6000, 168.9022

■ 12.7017, 11.1571,
11.1569

■ 12.7017, 11.1571,
11.1569

■ 11.4395, 9.2776,
8.7481

■ 14.1811, 13.3765,
13.9295

■ 10.3834, 7.7196,
6.6874

■ 15.8864, 15.9496,
17.0795

■ 9.5225, 6.4655,
4.9587

■ 17.8268, 18.8917,
20.6206

■ 8.8448, 5.4954,
3.5444

■ 20.0110, 22.2165,
24.5656

■ 8.3366, 4.7870,
2.4256

■ 22.4469, 25.9370,
28.9268

■ 7.9825, 4.3146,
1.5807

■ 25.1422, 30.0657,
33.7159

■ 7.7433, 4.0058,
0.9787

■ 28.1044, 34.6145,
38.9440

■ 7.7129, 3.9640,
0.9094

■ 31.3405, 39.5947,
44.6221

■ 34.8573, 45.0175,
50.7606

Harmonies

Analogous

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



12.6047, 11.1571, 14.1949



12.7017, 11.1571, 11.1569



12.2094, 11.1571, 8.8052

Triad

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



12.7017, 11.1571, 11.1569



9.3619, 11.1571, 8.2718



9.9409, 11.1571, 18.3902

Complementary

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



12.7017, 11.1571, 11.1569



13.3809, 16.3401, 18.3691

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.



9.1468, 11.1571, 16.2455



12.7017, 11.1571, 11.1569



8.8280, 11.1571, 10.3083

Square

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



12.7017, 11.1571, 11.1569



10.2525, 11.1571, 7.3297



8.7519, 11.1571, 13.1965



10.9645, 11.1571, 18.7178

Rectangle

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



12.7017, 11.1571, 11.1569



11.6311, 11.1571, 7.8158



8.7519, 11.1571, 13.1965



9.6402, 11.1571, 17.8430

Sweetspot

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



12.7020, 11.1576, 11.1571



28.2338, 28.2373, 30.1912



13.5050, 11.4001, 18.9415



6.5988, 6.5523, 6.9852



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.7020, 11.1576, 11.1571



21.2785, 17.7920, 17.1897



13.5132, 13.1092, 10.4130



3.7039, 3.7088, 3.9674



8.1919, 4.2105, 0.9529



39.7183, 20.4374, 3.5799

Inverse Universe

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



12.7020, 11.1576, 11.1571



21.2785, 17.7920, 17.1897



12.3446, 13.7999, 19.4659



3.7039, 3.7088, 3.9674



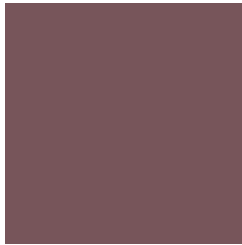
8.1919, 4.2105, 0.9529



39.7183, 20.4374, 3.5799

Previews

White Background



This preview shows how the XYZ color 12.7017, 11.1571, 11.1569 looks on a white background.

Color Contrast Check

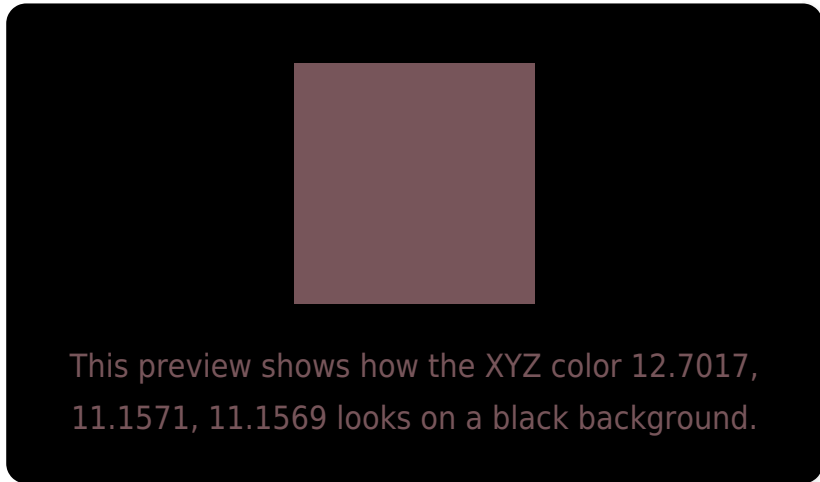
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7017, 11.1571, 11.1569

Background



This preview shows how black text looks on a background with the XYZ color 12.7017, 11.1571, 11.1569.



This preview shows how white text looks on a background with the XYZ color 12.7017, 11.1571, 11.1569.

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

12.7017, 11.1571, 11.1569

Protanopia

10.8921, 11.3184, 12.4371

Deuteranopia

11.3700, 11.2067, 11.0150



Tritanopia

12.7446, 11.1743, 11.3827

Trichromacy



Original Color

12.7017, 11.1571, 11.1569

Protanomaly

11.4258, 11.2155, 11.9185

Deuteranomaly

11.8060, 11.1810, 10.9871

Tritanomaly

12.7446, 11.1743, 11.3827

Monochromacy



Original Color

12.7017, 11.1571, 11.1569

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

11.5564, 11.4055, 12.1821

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7017, 11.1571, 11.1569 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(119, 85, 90)` looks like.

```
.text, #text, p{  
    color:rgb(119, 85, 90)  
}
```

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(119, 85, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 85, 90) }
```

Border

The CSS property to change the border of an element to XYZ 12.7017, 11.1571, 11.1569 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(119, 85, 90) }
```


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

```
.border{ border-color:rgb(119, 85, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 85, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 85, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 85, 90);  
box-shadow:4px 4px 4px 4px rgb(119, 85,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7017, 11.1571, 11.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 85, 90) }
```

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

```
.background{ background-color: rgb(119, 85,  
90) }
```

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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