

Converting Colors

XYZ(15.7453, 16.3312, 15.9132)

Have a look what the booklet for
XYZ(15.7453, 16.3312, 15.9132)
contains.

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Color

**XYZ(15.7572, 16.2610,
15.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	766F6A
RGB	118, 111, 106
RGB Percent	46%, 44%, 42%
CMY	0.5373, 0.5647, 0.5843
CMYK	0.00, 0.06, 0.10, 0.54
HSL	25°, 5%, 44%
HSV	25°, 10%, 46%
XYZ	15.7572, 16.2610, 15.9439
YIQ	112.5230, 5.7770, -0.0710

Conversions

Conversions Part 2

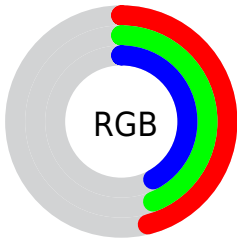
Format	Color
RYB	118, 115, 106
Decimal	7761770
CIELab	47.32, 1.76, 3.75
CIELCh	47, 4.142, 64.796
Yxy	16.2610, 0.3285, 0.3390
Android (android.graphics.Color)	4285951850 (0xFF766F6A)
YUV	112.5230, -3.2158, 4.8033
Hunter-Lab	40.3249, -0.8187, 4.7850

Details

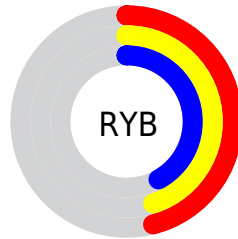
The XYZ color **15.7572, 16.2610, 15.9439** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **15.1191, 16.1824, 19.4665**, and the grayscale version is **15.5633, 16.3738, 17.8311**.

A 20% lighter version of the original color is **35.7606, 37.1748, 37.1889**, and **5.0927, 5.1729, 4.8677** is the 20% darker color. If you saturate the color by 10%, you get **14.4633, 14.5884, 12.6905**, and if you desaturate by 10%, it is **17.1944, 18.0846, 19.6621**.

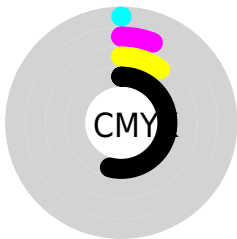
Distribution



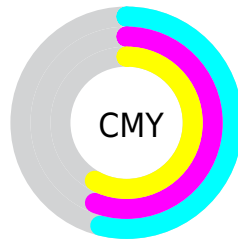
- Red (46%)
- Green (44%)
- Blue (42%)



- Red (46%)
- Yellow (45%)
- Blue (42%)



- Cyan (0%)
- Magenta (6%)
- Yellow (10%)
- Black (54%)



- Cyan (54%)
- Magenta (56%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.7572, 16.2610, 15.9439 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 15.7572, 16.2610, 15.9439 by changing the saturation by 10% instead.

■ 15.7572, 16.2610,
15.9439

■ 15.7572, 16.2610,
15.9439

221.2034,
230.8769, 240.8449

■ 9.4423, 9.7090,
9.3305

■ 35.7370, 37.0507,
37.2662

■ 5.0902, 5.2065,
4.8577

■ 50.1326, 52.0573,
52.8123

■ 2.3356, 2.3689,
2.1067

■ 67.9525, 70.6508,
72.1729

■ 0.8128, 0.8098,
0.6198

■ 89.5620, 93.2157,
95.7668

■ 0.0000, 0.0000,
0.0000

115.3265,
120.1364, 124.0124

145.6113,

151.7972, 157.3282

180.7818,
188.5826, 196.1329

■ 15.7572, 16.2610,
15.9439

■ 15.7572, 16.2610,
15.9439

■ 14.4633, 14.5884,
12.6905

■ 17.1944, 18.0846,
19.6621

■ 13.3065, 13.0606,
9.8825

■ 18.7779, 20.0607,
23.8614

■ 12.2823, 11.6742,
7.5003

■ 20.5126, 22.1938,
28.5588

■ 11.3854, 10.4249,
5.5227

■ 22.4024, 24.4875,
33.7701

■ 10.6100, 9.3080,
3.9268

■ 24.4514, 26.9450,
39.5102

■ 9.9499, 8.3186,
2.6870

■ 26.6632, 29.5697,
45.7936

■ 9.3982, 7.4514,
1.7747

■ 29.0417, 32.3649,
52.6341

■ 8.9470, 6.7006,
1.1569

■ 31.5902, 35.3335,
60.0452

■ 8.5774, 6.0637,
0.7183

■ 34.3122, 38.4787,
68.0396

Harmonies

Analogous

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



16.0407, 16.2610, 16.5801



15.7572, 16.2610, 15.9439



15.3968, 16.2610, 15.7722

Triad

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



15.7572, 16.2610, 15.9439



14.7649, 16.2610, 17.8745



15.8606, 16.2610, 19.4125

Complementary

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



15.7572, 16.2610, 15.9439



15.1191, 16.1824, 19.4665

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.



15.5145, 16.2610, 19.7906



15.7572, 16.2610, 15.9439



14.8849, 16.2610, 18.8806

Square

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



15.7572, 16.2610, 15.9439



14.8276, 16.2610, 16.8610



15.1579, 16.2610, 19.5922



16.1011, 16.2610, 18.5776

Rectangle

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



15.7572, 16.2610, 15.9439



15.1624, 16.2610, 15.9382



15.1579, 16.2610, 19.5922



15.7526, 16.2610, 19.5987

Sweetspot

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



15.7576, 16.2617, 15.9442



29.4727, 30.8394, 32.5866



15.6062, 15.3522, 17.7638



6.7344, 7.0376, 7.3835



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.



15.7576, 16.2617, 15.9442



27.2013, 27.9446, 26.7492



16.4343, 17.6151, 16.1698



3.7977, 3.9285, 3.9004



9.2674, 6.5360, 0.7731



44.3550, 30.2385, 3.4988

Inverse Universe

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



15.1191, 16.1824, 19.4665



25.8622, 27.7781, 34.1356



14.4718, 14.8879, 19.2507



3.6614, 3.9115, 4.6523



5.8153, 5.9704, 19.3885



27.4784, 27.3734, 94.1956

Previews

White Background



This preview shows how the XYZ color 15.7572, 16.2610, 15.9439 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 15.7572, 16.2610, 15.9439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

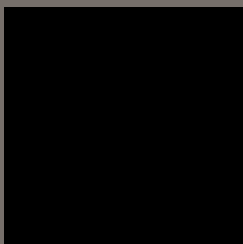
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

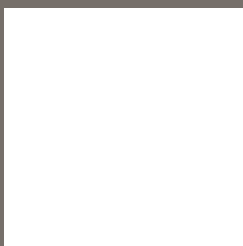
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.7572, 16.2610, 15.9439

Background



This preview shows how black text looks on a background with the XYZ color 15.7572, 16.2610, 15.9439.



This preview shows how white text looks on a background with the XYZ color 15.7572, 16.2610,

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

15.7572, 16.2610, 15.9439

Protanopia

15.5981, 16.3420, 15.9679

Deuteranopia

16.4739, 16.1466, 16.1583



Tritanopia

16.4844, 16.2384, 19.4050

Trichromacy



Original Color

15.7572, 16.2610, 15.9439

Protanomaly

15.7318, 16.4109, 15.9741

Deuteranomaly

16.1485, 16.1364, 16.1734

Tritanomaly

16.2209, 16.2887, 18.2087

Monochromacy



Original Color

15.7572, 16.2610, 15.9439

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.6789, 16.3590, 17.0831

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.7572, 16.2610, 15.9439 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, 111, 106)` looks like.

```
.text, #text, p{  
    color:rgb(118, 111, 106)  
}
```

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, 111, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 111, 106) }
```

Border

The CSS property to change the border of an element to XYZ 15.7572, 16.2610, 15.9439 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, 111, 106) }
```


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

```
.border{ border-color:rgb(118, 111, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 111, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 111, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 111, 106);  
box-shadow:4px 4px 4px 4px rgb(118, 111,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 15.7572, 16.2610, 15.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 111, 106) }
```

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

```
.background{ background-color: rgb(118,  
111, 106) }
```

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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