

Converting Colors

XYZ(12.0767, 12.0328, 15.3639)

Have a look what the booklet for
XYZ(12.0767, 12.0328, 15.3639)
contains.

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Color

**XYZ(12.0606, 11.9917,
15.3146)**

Conversions

Conversions Part 1

Format	Color
Hex	655F6A
RGB	101, 95, 106
RGB Percent	40%, 37%, 42%
CMY	0.6039, 0.6274, 0.5843
CMYK	0.05, 0.10, 0.00, 0.58
HSL	273°, 5%, 39%
HSV	273°, 10%, 42%
XYZ	12.0606, 11.9917, 15.3146
YIQ	98.0480, 0.0450, 4.6930

Conversions

Conversions Part 2

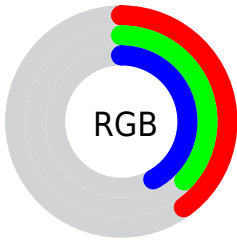
Format	Color
R_{YB}	101, 95, 106
Decimal	6643562
CIE Lab	41.20, 4.69, -5.39
CIE LCh	41, 7.141, 311.053
Yxy	11.9917, 0.3064, 0.3046
Android (android.graphics.Color)	4284833642 (0xFF655F6A)
YUV	98.0480, 3.9203, 2.5889
Hunter-Lab	34.6290, 1.5672, -1.9805

Details

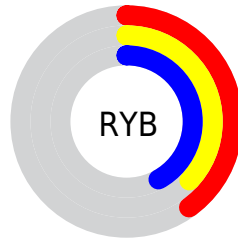
The XYZ color **12.0606, 11.9917, 15.3146** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.4754, 13.8438, 12.8416**, and the grayscale version is **11.6122, 12.2170, 13.3043**.

A 20% lighter version of the original color is **29.1601, 29.3605, 36.0285**, and **3.4091, 3.2967, 4.5943** is the 20% darker color. If you saturate the color by 10%, you get **10.6464, 9.9406, 14.9934**, and if you desaturate by 10%, it is **13.6371, 14.3200, 15.6811**.

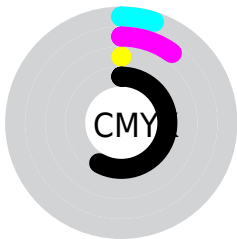
Distribution



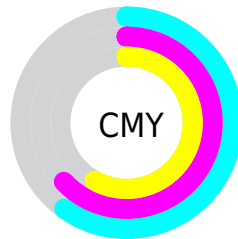
- Red (40%)
- Green (37%)
- Blue (42%)



- Red (40%)
- Yellow (37%)
- Blue (42%)



- Cyan (5%)
- Magenta (10%)
- Yellow (0%)
- Black (58%)



- Cyan (60%)
- Magenta (63%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0606, 11.9917, 15.3146 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 12.0606, 11.9917, 15.3146 by changing the saturation by 10% instead.

■ 12.0606, 11.9917,
15.3146

■ 12.0606, 11.9917,
15.3146

198.5678,
204.3503, 236.9686

■ 6.8575, 6.7380,
8.8914

■ 29.2213, 29.4800,
36.1542

■ 3.4186, 3.2988,
4.5746

■ 41.9096, 42.4834,
51.4077

■ 1.3788, 1.2897,
1.9456

■ 57.8237, 58.8388,
70.4418

■ 0.2411, 0.1332,
0.5215

■ 77.3288, 78.9307,
93.6748

■ 0.0000, 0.0000,
0.0000

100.7905,
103.1434, 121.5255

128.5740,

131.8613, 154.4124

161.0446,
165.4688, 192.7539

■ 12.0606, 11.9917,
15.3146

■ 12.0606, 11.9917,
15.3146

■ 10.6464, 9.9406,
14.9934

■ 13.6371, 14.3200,
15.6811

■ 9.3877, 8.1546,
14.7150

■ 15.3803, 16.9341,
16.0938

■ 8.2787, 6.6226,
14.4778

■ 17.2957, 19.8441,
16.5545

■ 7.3128, 5.3324,
14.2797

■ 19.3882, 23.0592,
17.0648

■ 6.4831, 4.2708,
14.1185

■ 21.6626, 26.5880,
17.6261

■ 5.7816, 3.4231,
13.9918

■ 24.1234, 30.4390,
18.2397

■ 5.1998, 2.7728,
13.8970

■ 26.7750, 34.6202,
18.9070

■ 4.7278, 2.3011,
13.8308

■ 29.6216, 39.1394,
19.6293

■ 4.3361, 1.9348,
13.7807

■ 32.6674, 44.0042,
20.4077

Harmonies

Analogous

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



11.5887, 11.9917, 16.0430



12.0606, 11.9917, 15.3146



12.3603, 11.9917, 13.9996

Triad

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



12.0606, 11.9917, 15.3146



11.7223, 11.9917, 10.5539



10.4532, 11.9917, 13.6083

Complementary

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



12.0606, 11.9917, 15.3146



12.4754, 13.8438, 12.8416

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.



10.4865, 11.9917, 12.1575



12.0606, 11.9917, 15.3146



11.2089, 11.9917, 10.4665

Square

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



12.0606, 11.9917, 15.3146



12.1610, 11.9917, 11.2814



10.7596, 11.9917, 11.0328



10.6671, 11.9917, 15.0096

Rectangle

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



12.0606, 11.9917, 15.3146



12.4168, 11.9917, 13.0049



10.7596, 11.9917, 11.0328



10.4360, 11.9917, 13.1091

Sweetspot

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



12.0610, 11.9922, 15.3149



23.1559, 23.9770, 27.3386



11.8912, 12.6138, 15.4438



5.3793, 5.5500, 6.3936



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



12.0610, 11.9922, 15.3149



20.6596, 20.3047, 26.7614



12.6188, 12.2820, 15.2416



3.0914, 3.0988, 3.8701



5.3420, 2.3809, 17.1003



26.2084, 11.6105, 87.0859

Inverse Universe

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



12.3366, 12.1691, 13.7555



21.2321, 20.6719, 23.5308



11.9560, 13.5741, 12.9045



3.1516, 3.1375, 3.5287



8.0264, 4.0627, 3.7674



40.4703, 20.5301, 16.9453

Previews

White Background



This preview shows how the XYZ color 12.0606, 11.9917, 15.3146 looks on a white background.

Color Contrast Check

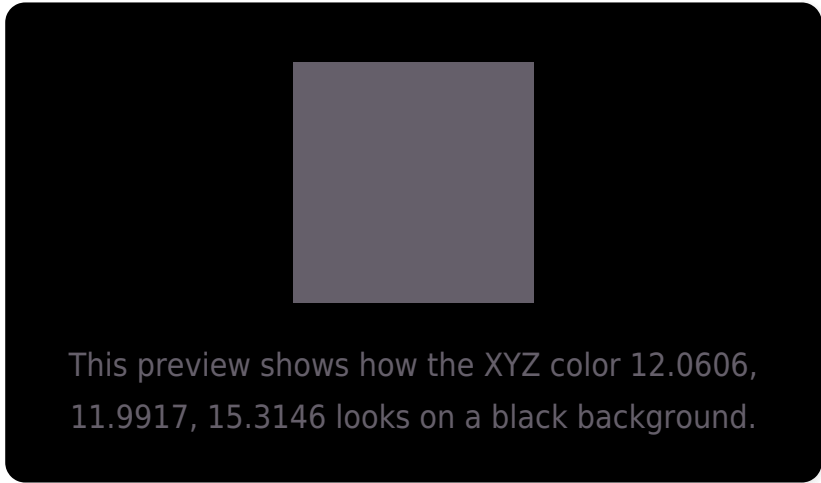
Large Text (above 18pt) WCAG AA ✓ Pass

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

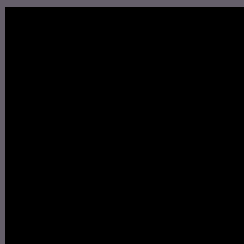
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.0606, 11.9917, 15.3146

Background



This preview shows how black text looks on a background with the XYZ color 12.0606, 11.9917, 15.3146.

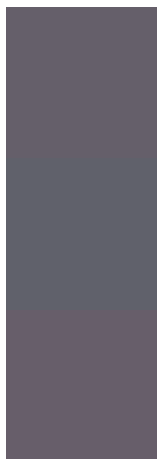


This preview shows how white text looks on a background with the XYZ color 12.0606, 11.9917,

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

12.0606, 11.9917, 15.3146

Protanopia

11.7524, 12.0977, 15.6256

Deuteranopia

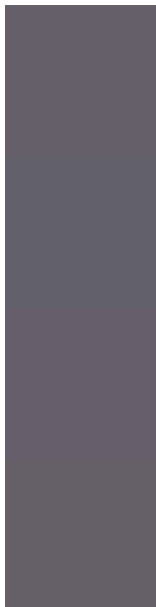
12.1977, 11.9296, 15.2954



Tritanopia

11.9072, 11.9304, 14.5072

Trichromacy



Original Color

12.0606, 11.9917, 15.3146

Protanomaly

11.8737, 12.0239, 15.6050

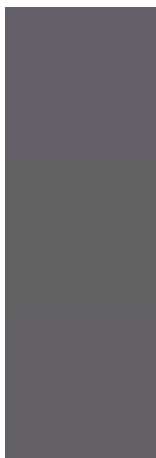
Deuteranomaly

12.0837, 11.8708, 15.2901

Tritanomaly

11.9577, 11.9506, 14.7732

Monochromacy



Original Color

12.0606, 11.9917, 15.3146

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.7692, 12.1416, 14.0352

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0606, 11.9917, 15.3146 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(101, 95, 106)` looks like.

```
.text, #text, p{  
    color:rgb(101, 95, 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(101, 95, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 95, 106) }
```

Border

The CSS property to change the border of an element to XYZ 12.0606, 11.9917, 15.3146 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(101, 95, 106) }
```


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

```
.border{ border-color:rgb(101, 95, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 95, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 95, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 95, 106);  
box-shadow:4px 4px 4px 4px rgb(101, 95,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0606, 11.9917, 15.3146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 95, 106) }
```

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

```
.background{ background-color: rgb(101, 95,  
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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