

Converting Colors

XYZ(12.4180, 11.9099, 16.7653)

Have a look what the booklet for
XYZ(12.4180, 11.9099, 16.7653)
contains.

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Color

**XYZ(12.3771, 11.8600,
16.6758)**

Conversions

Conversions Part 1

Format	Color
Hex	675D6F
RGB	103, 93, 111
RGB Percent	40%, 36%, 44%
CMY	0.5961, 0.6353, 0.5647
CMYK	0.07, 0.16, 0.00, 0.56
HSL	273°, 9%, 40%
HSV	273°, 16%, 44%
XYZ	12.3771, 11.8600, 16.6758
YIQ	98.0420, 0.1820, 7.7180

Conversions

Conversions Part 2

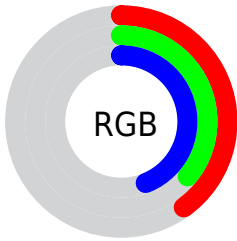
Format	Color
R _Y B	103, 93, 111
Decimal	6774127
CIE Lab	40.99, 7.77, -8.74
CIE LCh	41, 11.699, 311.649
Yxy	11.8600, 0.3025, 0.2899
Android (android.graphics.Color)	4284964207 (0xFF675D6F)
YUV	98.0420, 6.3883, 4.3482
Hunter-Lab	34.4384, 3.8856, -4.6027

Details

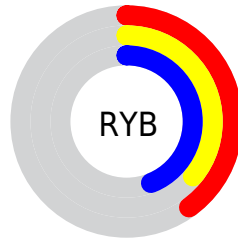
The XYZ color **12.3771, 11.8600, 16.6758** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.0276, 14.9263, 12.5510**, and the grayscale version is **11.6048, 12.2091, 13.2958**.

A 20% lighter version of the original color is **29.7597, 29.1593, 38.7101**, and **3.5446, 3.2327, 5.1398** is the 20% darker color. If you saturate the color by 10%, you get **10.9234, 9.7680, 16.3488**, and if you desaturate by 10%, it is **14.0063, 14.2531, 17.0520**.

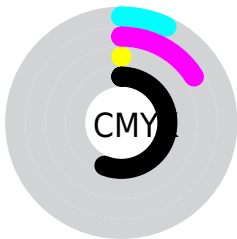
Distribution



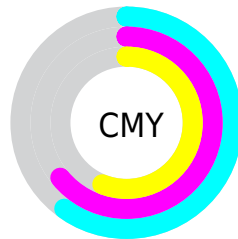
- Red (40%)
- Green (36%)
- Blue (44%)



- Red (40%)
- Yellow (36%)
- Blue (44%)



- Cyan (7%)
- Magenta (16%)
- Yellow (0%)
- Black (56%)



- Cyan (60%)
- Magenta (64%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3771, 11.8600, 16.6758 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 12.3771, 11.8600, 16.6758 by changing the saturation by 10% instead.

■ 12.3771, 11.8600,
16.6758

■ 12.3771, 11.8600,
16.6758

200.6054,
203.4762, 245.2775

■ 7.0751, 6.6484,
9.8441

■ 29.7910, 29.2399,
38.5505

■ 3.5558, 3.2432,
5.1915

■ 42.6336, 42.1769,
54.4306

■ 1.4541, 1.2600,
2.2993

■ 58.7204, 58.4580,
74.1639

■ 0.2943, 0.1099,
0.7308

■ 78.4168, 78.4674,
98.1689

■ 0.0000, 0.0000,
0.0000

102.0882,
102.5895, 126.8643

130.0998,

131.2087, 160.6685

162.8171,
164.7095, 200.0000

■ 12.3771, 11.8600,
16.6758

■ 12.3771, 11.8600,
16.6758

■ 10.9234, 9.7680,
16.3488

■ 14.0063, 14.2531,
17.0520

■ 9.6376, 7.9632,
16.0682

■ 15.8163, 16.9575,
17.4786

■ 8.5129, 6.4328,
15.8321

■ 17.8134, 19.9848,
17.9577

■ 7.5417, 5.1623,
15.6380

■ 20.0031, 23.3454,
18.4910

■ 6.7156, 4.1360,
15.4835

■ 22.3909, 27.0494,
19.0800

■ 6.0254, 3.3365,
15.3655

■ 24.9820, 31.1064,
19.7266

■ 5.4607, 2.7436,
15.2809

■ 27.7813, 35.5256,
20.4320

■ 4.9987, 2.3132,
15.2221

■ 30.7936, 40.3158,
21.1979

■ 4.8347, 2.1609,
15.2014

■ 34.0236, 45.4857,
22.0255

Harmonies

Analogous

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



11.6009, 11.8600, 17.9782



12.3771, 11.8600, 16.6758



12.8713, 11.8600, 14.4208

Triad

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



12.3771, 11.8600, 16.6758



11.7873, 11.8600, 9.0117



9.7676, 11.8600, 13.8674

Complementary

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



12.3771, 11.8600, 16.6758



13.0276, 14.9263, 12.5510

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.



9.8120, 11.8600, 11.5151



12.3771, 11.8600, 16.6758



10.9505, 11.8600, 8.9024

Square

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



12.3771, 11.8600, 16.6758



12.5193, 11.8600, 10.0844



10.2358, 11.8600, 9.7645



10.1115, 11.8600, 16.2277

Rectangle

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



12.3771, 11.8600, 16.6758



12.9603, 11.8600, 12.7813



10.2358, 11.8600, 9.7645



9.7381, 11.8600, 13.0467

Sweetspot

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



12.3775, 11.8605, 16.6761



25.4140, 26.0172, 30.6121



12.0473, 12.8022, 16.8752



6.0650, 6.1902, 7.3449



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.3775, 11.8605, 16.6761



21.2696, 19.9419, 29.6579



13.2902, 12.3367, 16.4614



3.3782, 3.3833, 4.2292



5.6669, 2.5308, 17.9114



27.2251, 12.0894, 89.1777

Inverse Universe

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



12.8193, 12.1484, 13.9819



22.2158, 20.5577, 23.9195



12.2150, 14.5027, 12.7223



3.4404, 3.4239, 3.8457



8.3739, 4.2419, 3.7787



41.2930, 20.9625, 16.6068

Previews

White Background



This preview shows how the XYZ color 12.3771, 11.8600, 16.6758 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 12.3771, 11.8600, 16.6758 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 12.3771, 11.8600, 16.6758

Background



This preview shows how black text looks on a background with the XYZ color 12.3771, 11.8600, 16.6758.



This preview shows how white text looks on a background with the XYZ color 12.3771, 11.8600,

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

12.3771, 11.8600, 16.6758

Protanopia

11.6777, 11.8852, 17.3014

Deuteranopia

12.0175, 11.8058, 16.6843



Tritanopia

11.9700, 11.9685, 14.2496

Trichromacy



Original Color

12.3771, 11.8600, 16.6758

Protanomaly

11.9466, 11.8957, 16.9957

Deuteranomaly

12.1275, 11.8624, 16.6894

Tritanomaly

12.0320, 11.8501, 15.0177

Monochromacy



Original Color

12.3771, 11.8600, 16.6758

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8866, 12.0543, 14.5322

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3771, 11.8600, 16.6758 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(103, 93, 111)` looks like.

```
.text, #text, p{  
    color:rgb(103, 93, 111)  
}
```

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(103, 93, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 93, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.3771, 11.8600, 16.6758 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(103, 93, 111) }
```


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

```
.border{ border-color:rgb(103, 93, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 93, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 93, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 93, 111);  
box-shadow:4px 4px 4px 4px rgb(103, 93,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3771, 11.8600, 16.6758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 93, 111) }
```

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

```
.background{ background-color: rgb(103, 93,  
111) }
```

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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