

Converting Colors

XYZ(12.3169, 11.7173, 18.9792)

Have a look what the booklet for
XYZ(12.3169, 11.7173, 18.9792)
contains.

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Color

**XYZ(12.3897, 11.8133,
19.0799)**

Conversions

Conversions Part 1

Format	Color
Hex	635D77
RGB	99, 93, 119
RGB Percent	39%, 36%, 47%
CMY	0.6118, 0.6353, 0.5333
CMYK	0.17, 0.22, 0.00, 0.53
HSL	254°, 12%, 42%
HSV	254°, 22%, 47%
XYZ	12.3897, 11.8133, 19.0799
YIQ	97.7580, -4.7700, 9.3580

Conversions

Conversions Part 2

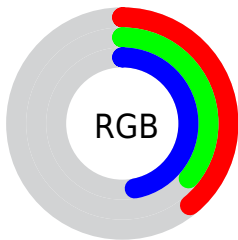
Format	Color
R _Y B	99, 93, 119
Decimal	6511991
CIE Lab	40.92, 8.18, -13.78
CIE LCh	41, 16.031, 300.697
Yxy	11.8133, 0.2862, 0.2729
Android (android.graphics.Color)	4284702071 (0xFF635D77)
YUV	97.7580, 10.4723, 1.0892
Hunter-Lab	34.3705, 4.1964, -8.8540

Details

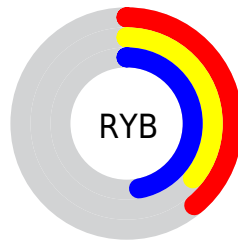
The XYZ color **12.3897, 11.8133, 19.0799** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **15.3831, 17.4950, 12.9226**, and the grayscale version is **11.5254, 12.1256, 13.2048**.

A 20% lighter version of the original color is **29.7508, 29.0692, 42.5710**, and **3.5700, 3.2180, 6.3942** is the 20% darker color. If you saturate the color by 10%, you get **10.4814, 9.3980, 18.7145**, and if you desaturate by 10%, it is **14.5747, 14.6132, 19.5054**.

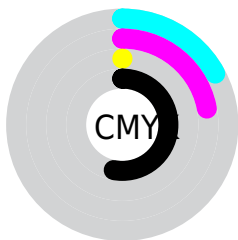
Distribution



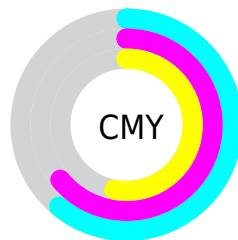
- Red (39%)
- Green (36%)
- Blue (47%)



- Red (39%)
- Yellow (36%)
- Blue (47%)



- Cyan (17%)
- Magenta (22%)
- Yellow (0%)
- Black (53%)



- Cyan (61%)
- Magenta (64%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3897, 11.8133, 19.0799 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 12.3897, 11.8133, 19.0799 by changing the saturation by 10% instead.

■ 12.3897, 11.8133,
19.0799

■ 12.3897, 11.8133,
19.0799

200.6861,
203.1653, 259.3269

■ 7.0837, 6.6167,
11.5506

■ 29.8136, 29.1546,
42.7076

■ 3.5613, 3.2236,
6.3197

■ 42.6623, 42.0681,
59.6430

■ 1.4571, 1.2495,
2.9685

■ 58.7560, 58.3226,
80.5510

■ 0.2964, 0.1016,
1.0786

■ 78.4600, 78.3027,
105.8500

■ 0.0000, 0.0000,
0.0000

102.1396,
102.3926, 135.9585

130.1603,

130.9767, 171.2952

162.8873,
164.4395, 212.2784

■ 12.3897, 11.8133,
19.0799

■ 12.3897, 11.8133,
19.0799

■ 10.4814, 9.3980,
18.7145

■ 14.5747, 14.6132,
19.5054

■ 8.8374, 7.3489,
18.4056

■ 17.0459, 17.8120,
19.9925

■ 7.4461, 5.6482,
18.1507

■ 19.8138, 21.4252,
20.5441

■ 6.2943, 4.2761,
17.9465

■ 22.8877, 25.4671,
21.1622

■ 5.3680, 3.2108,
17.7897

■ 26.2770, 29.9511,
21.8491

■ 4.6511, 2.4278,
17.6764

■ 29.9901, 34.8902,
22.6067

■ 4.1255, 1.8985,
17.6019

■ 34.0357, 40.2967,
23.4371

■ 3.7939, 1.5712,
17.5562

■ 38.4216, 46.1826,
24.3420

■ 43.1558, 52.5593,
25.3233

Harmonies

Analogous

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



11.2550, 11.8133, 20.2513



12.3897, 11.8133, 19.0799



13.2590, 11.8133, 16.2010

Triad

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



12.3897, 11.8133, 19.0799



12.3402, 11.8133, 8.1116



9.1680, 11.8133, 12.9395

Complementary

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



12.3897, 11.8133, 19.0799



15.3831, 17.4950, 12.9226

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.



9.4161, 11.8133, 10.0177



12.3897, 11.8133, 19.0799



11.2014, 11.8133, 7.5331

Square

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



12.3897, 11.8133, 19.0799



13.2291, 11.8133, 9.9056



10.1416, 11.8133, 8.1681



9.4399, 11.8133, 16.3564

Rectangle

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



12.3897, 11.8133, 19.0799



13.5433, 11.8133, 13.9088



10.1416, 11.8133, 8.1681



9.1932, 11.8133, 11.8704

Sweetspot

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



12.3901, 11.8138, 19.0802



28.1003, 28.7517, 35.3217



13.7905, 15.5517, 19.7278



6.6160, 6.7576, 8.3623



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.



12.3901, 11.8138, 19.0802



20.4813, 18.9888, 33.8388



13.8800, 12.5819, 19.1499



3.5724, 3.6269, 4.6020



4.0232, 1.6654, 18.6520



18.9647, 7.7852, 90.8634

Inverse Universe

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



14.5032, 12.9434, 17.3574



24.9717, 21.3911, 30.0963



13.8692, 16.7145, 12.8518



3.7922, 3.7442, 4.4327



10.1104, 4.9779, 11.0552



48.9299, 24.1221, 52.0875

Previews

White Background



This preview shows how the XYZ color 12.3897, 11.8133, 19.0799 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 12.3897, 11.8133, 19.0799 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 12.3897, 11.8133, 19.0799

Background



This preview shows how black text looks on a background with the XYZ color 12.3897, 11.8133, 19.0799.



This preview shows how white text looks on a background with the XYZ color 12.3897, 11.8133,

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

12.3897, 11.8133, 19.0799

Protanopia

11.7598, 11.7386, 19.7351

Deuteranopia

12.0518, 11.7702, 19.0894



Tritanopia

11.4549, 11.8318, 14.5120

Trichromacy



Original Color

12.3897, 11.8133, 19.0799

Protanomaly

11.9071, 11.6886, 19.3979

Deuteranomaly

12.1563, 11.8241, 19.0943

Tritanomaly

11.7823, 11.8299, 16.1304

Monochromacy



Original Color

12.3897, 11.8133, 19.0799

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

11.8214, 12.0030, 15.3294

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3897, 11.8133, 19.0799 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(99, 93, 119) looks like.

```
.text, #text, p{  
    color:rgb(99, 93, 119)  
}
```

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(99, 93, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 93, 119) }
```

Border

The CSS property to change the border of an element to XYZ 12.3897, 11.8133, 19.0799 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(99, 93, 119) }
```


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

```
.border{ border-color:rgb(99, 93, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 93, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 93, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 93, 119);  
box-shadow:4px 4px 4px 4px rgb(99, 93,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3897, 11.8133, 19.0799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 93, 119) }
```

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

```
.background{ background-color: rgb(99, 93,  
119) }
```

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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