

Converting Colors

XYZ(12.3390, 13.7850, 15.3567)

Have a look what the booklet for
XYZ(12.3390, 13.7850, 15.3567)
contains.

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Color

**XYZ(12.3199, 13.7077,
15.3611)**

Conversions

Conversions Part 1

Format	Color
Hex	5E6A69
RGB	94, 106, 105
RGB Percent	37%, 42%, 41%
CMY	0.6314, 0.5843, 0.5882
CMYK	0.11, 0.00, 0.01, 0.58
HSL	175°, 6%, 39%
HSV	175°, 11%, 42%
XYZ	12.3199, 13.7077, 15.3611
YIQ	102.2980, -6.8310, -2.8550

Conversions

Conversions Part 2

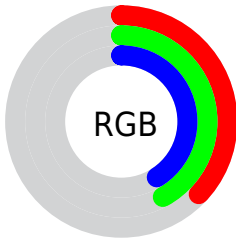
Format	Color
R _Y B	94, 100, 106
Decimal	6187625
CIE Lab	43.81, -4.76, -0.99
CIE LCh	44, 4.866, 191.787
Yxy	13.7077, 0.2977, 0.3312
Android (android.graphics.Color)	4284377705 (0xFF5E6A69)
YUV	102.2980, 1.3321, -7.2773
Hunter-Lab	37.0239, -5.3950, 1.3175

Details

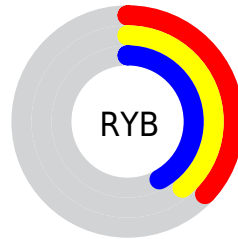
The XYZ color **12.3199, 13.7077, 15.3611** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **12.0126, 11.8961, 12.4901**, and the grayscale version is **12.7055, 13.3672, 14.5569**.

A 20% lighter version of the original color is **29.5593, 32.4435, 36.1568**, and **3.5466, 4.0618, 4.6001** is the 20% darker color. If you saturate the color by 10%, you get **11.2616, 13.1677, 15.0756**, and if you desaturate by 10%, it is **13.5288, 14.3260, 15.6567**.

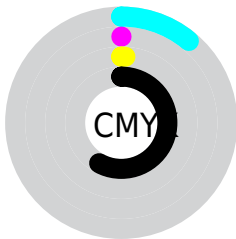
Distribution



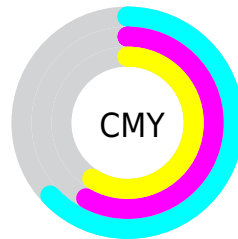
- Red (37%)
- Green (42%)
- Blue (41%)



- Red (37%)
- Yellow (39%)
- Blue (42%)



- Cyan (11%)
- Magenta (0%)
- Yellow (1%)
- Black (58%)



- Cyan (63%)
- Magenta (58%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3199, 13.7077, 15.3611 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 12.3199, 13.7077, 15.3611 by changing the saturation by 10% instead.

■ 12.3199, 13.7077,
15.3611

■ 12.3199, 13.7077,
15.3611

200.2387,
215.4048, 237.2572

■ 7.0357, 7.9176,
8.9238

■ 29.6882, 32.5695,
36.2366

■ 3.5310, 4.0423,
4.5954

■ 42.5031, 46.4100,
51.5119

■ 1.4404, 1.6973,
1.9573

■ 58.5588, 63.7028,
70.5703

■ 0.2847, 0.4219,
0.5288

■ 78.2208, 84.8323,
93.8303

■ 0.0000, 0.0000,
0.0000

101.8545,
110.1828, 121.7104

129.8251,

140.1388, 154.6293

162.4981,
175.0847, 193.0053

■ 12.3199, 13.7077,
15.3611

■ 12.3199, 13.7077,
15.3611

■ 11.2616, 13.1677,
15.0756

■ 13.5288, 14.3260,
15.6567

■ 10.3466, 12.7012,
14.7990

■ 14.8928, 15.0238,
15.9617

■ 9.5689, 12.3054,
14.5313

■ 16.4177, 15.8045,
16.2767

■ 8.9216, 11.9768,
14.2721

■ 18.1086, 16.6708,
16.6020

■ 8.3970, 11.7113,
14.0212

■ 19.9706, 17.6252,
16.9379

■ 7.9868, 11.5048,
13.7780

■ 22.0081, 18.6700,
17.2844

■ 7.6816, 11.3524,
13.5421

■ 24.2259, 19.8077,
17.6419

■ 7.4703, 11.2483,
13.3131

■ 26.6283, 21.0405,
18.0105

■ 7.3191, 11.1746,
13.1178

■ 29.2194, 22.3705,
18.3905

Harmonies

Analogous

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



12.3405, 13.7077, 14.2748



12.3199, 13.7077, 15.3611



12.4864, 13.7077, 16.3779

Triad

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



12.3199, 13.7077, 15.3611



13.5265, 13.7077, 16.5567



13.2607, 13.7077, 13.0072

Complementary

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



12.3199, 13.7077, 15.3611



12.0126, 11.8961, 12.4901

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.



13.5866, 13.7077, 13.5614



12.3199, 13.7077, 15.3611



13.7421, 13.7077, 15.5954

Square

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



12.3199, 13.7077, 15.3611



13.1800, 13.7077, 17.0904



13.7643, 13.7077, 14.4979



12.8786, 13.7077, 12.9513

Rectangle

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



12.3199, 13.7077, 15.3611



12.6831, 13.7077, 16.8655



13.7643, 13.7077, 14.4979



13.3806, 13.7077, 13.1400

Sweetspot

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



12.3203, 13.7083, 15.3614



23.3493, 24.9403, 27.3840



11.9149, 13.5604, 12.5792



5.4346, 5.8244, 6.4064



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.



12.3203, 13.7083, 15.3614



21.0245, 23.7523, 26.8028



11.8911, 12.7670, 15.4740



3.1714, 3.4878, 3.8866



9.0769, 13.8648, 16.2480



46.0957, 70.5854, 81.9738

Inverse Universe

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



12.0126, 11.8961, 12.4901



20.3520, 19.7910, 20.5267



12.4076, 12.7586, 12.3985



3.1091, 3.1205, 3.3047



7.4301, 3.8242, 0.6277



37.7166, 19.4286, 2.4446

Previews

White Background



This preview shows how the XYZ color 12.3199, 13.7077, 15.3611 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 12.3199, 13.7077, 15.3611 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

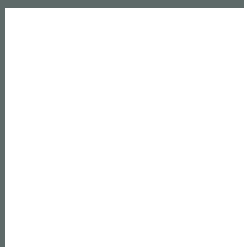
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 12.3199, 13.7077, 15.3611

Background



This preview shows how black text looks on a background with the XYZ color 12.3199, 13.7077, 15.3611.



This preview shows how white text looks on a background with the XYZ color 12.3199, 13.7077,

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

12.3199, 13.7077, 15.3611

Protanopia

13.1241, 13.6830, 14.7813

Deuteranopia

13.8408, 13.5997, 15.5312



Tritanopia

12.7515, 13.7283, 17.6005

Trichromacy



Original Color

12.3199, 13.7077, 15.3611

Protanomaly

12.8158, 13.6668, 15.0592

Deuteranomaly

13.1786, 13.5466, 15.5558

Tritanomaly

12.5854, 13.6618, 16.7255

Monochromacy



Original Color

12.3199, 13.7077, 15.3611

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

12.4440, 13.3324, 14.7495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3199, 13.7077, 15.3611 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(94, 106, 105) looks like.

```
.text, #text, p{  
    color:rgb(94, 106, 105)  
}
```

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(94, 106, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 106, 105) }
```

Border

The CSS property to change the border of an element to XYZ 12.3199, 13.7077, 15.3611 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(94, 106, 105) }
```


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

```
.border{ border-color:rgb(94, 106, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 106, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 106, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 106, 105);  
box-shadow:4px 4px 4px 4px rgb(94, 106,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3199, 13.7077, 15.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 106, 105) }
```

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

```
.background{ background-color: rgb(94, 106,  
105) }
```

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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