

Converting Colors

XYZ(12.4723, 7.5383, 11.4603)

Have a look what the booklet for
XYZ(12.4723, 7.5383, 11.4603)
contains.

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Color

**XYZ(12.4368, 7.5150,
11.3847)**

Conversions

Conversions Part 1

Format	Color
Hex	842C5E
RGB	132, 44, 94
RGB Percent	52%, 17%, 37%
CMY	0.4824, 0.8274, 0.6314
CMYK	0.00, 0.67, 0.29, 0.48
HSL	326°, 50%, 35%
HSV	326°, 67%, 52%
XYZ	12.4368, 7.5150, 11.3847
YIQ	76.0120, 36.3980, 34.2060

Conversions

Conversions Part 2

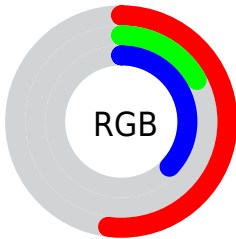
Format	Color
R_{YB}	132, 44, 94
Decimal	8662110
CIE Lab	32.95, 42.84, -9.82
CIE LCh	33, 43.953, 347.087
Yxy	7.5150, 0.3969, 0.2398
Android (android.graphics.Color)	4286852190 (0xFF842C5E)
YUV	76.0120, 8.8681, 49.1015
Hunter-Lab	27.4135, 33.0072, -5.4334

Details

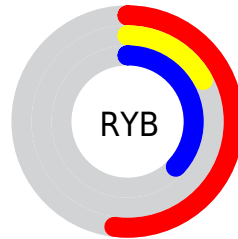
The XYZ color **12.4368, 7.5150, 11.3847** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.8134, 17.6475, 10.8199**, and the grayscale version is **6.8516, 7.2084, 7.8500**.

A 20% lighter version of the original color is **29.9560, 21.0707, 28.8738**, and **3.7580, 1.8757, 2.9603** is the 20% darker color. If you saturate the color by 10%, you get **11.7746, 6.5849, 9.9482**, and if you desaturate by 10%, it is **13.2748, 8.7663, 12.9731**.

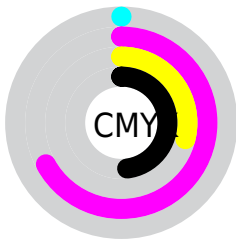
Distribution



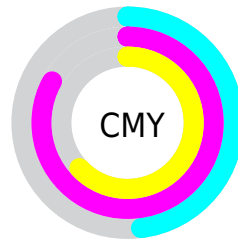
- Red (52%)
- Green (17%)
- Blue (37%)



- Red (52%)
- Yellow (17%)
- Blue (37%)



- Cyan (0%)
- Magenta (67%)
- Yellow (29%)
- Black (48%)





- Cyan (48%)
- Magenta (83%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4368, 7.5150, 11.3847 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 12.4368, 7.5150, 11.3847 by changing the saturation by 10% instead.


 12.4368, 7.5150,
11.3847


 12.4368, 7.5150,
11.3847


200.9874,
171.8769, 211.1194


 7.1162, 3.7862,
6.2088


 29.8982, 21.0020,
29.0168


 3.5819, 1.5547,
2.9016

 42.7697, 31.5290,
42.3101


 1.4684, 0.3268,
1.0446

 58.8889, 45.0909,
59.1463

 0.3042, 0.0000,
0.0000

 78.6211, 62.0720,
79.9439

 0.0000, 0.0000,
0.0000

 102.3317, 82.8567,
105.1215

 130.3860,

107.8296, 135.0976

163.1495,
137.3748, 170.2907

■ 12.4368, 7.5150,
11.3847

■ 12.4368, 7.5150,
11.3847

■ 11.7746, 6.5849,
9.9482

■ 13.2748, 8.7663,
12.9731

■ 11.2717, 5.9438,
8.6560

■ 14.3018, 10.3648,
14.7197

■ 10.8996, 5.5356,
7.4966

■ 15.5303, 12.3349,
16.6305

■ 10.7857, 5.4135,
7.1326

■ 16.9716, 14.6985,
18.7110

■ 18.6362, 17.4759,
20.9667

■ 20.5337, 20.6861,
23.4024

■ 22.6733, 24.3465,
26.0229

■ 25.0635, 28.4739,
28.8326

■ 27.7125, 33.0842,
31.8359

Harmonies

Analogous

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



10.9361, 7.5150, 20.3381



12.4368, 7.5150, 11.3847



12.3154, 7.5150, 4.9718

Triad

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



12.4368, 7.5150, 11.3847



5.9099, 7.5150, 1.0365



4.5142, 7.5150, 21.5702

Complementary

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



12.4368, 7.5150, 11.3847



10.8134, 17.6475, 10.8199

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.



3.6693, 7.5150, 12.5428



12.4368, 7.5150, 11.3847



4.3470, 7.5150, 2.1999

Square

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



12.4368, 7.5150, 11.3847



8.1874, 7.5150, 0.9769



3.6156, 7.5150, 5.6453



6.1910, 7.5150, 28.0382

Rectangle

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



12.4368, 7.5150, 11.3847



11.3281, 7.5150, 2.6411



3.6156, 7.5150, 5.6453



4.1409, 7.5150, 18.5659

Sweetspot

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



12.4370, 7.5154, 11.3848



31.6709, 28.8451, 35.3927



8.4308, 5.2024, 22.3898



7.2094, 6.4416, 8.0175



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



12.4370, 7.5154, 11.3848



20.2538, 10.9609, 16.3268



11.0216, 6.9492, 3.9315



4.7751, 4.7297, 5.4282



10.4459, 5.2427, 6.9204



0.0399, 0.0196, 0.0433

Inverse Universe

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



12.4370, 7.5154, 11.3848



20.2538, 10.9609, 16.3268



12.9707, 18.5104, 22.1801



4.7751, 4.7297, 5.4282



10.4459, 5.2427, 6.9204



0.0399, 0.0196, 0.0433

Previews

White Background



This preview shows how the XYZ color 12.4368, 7.5150, 11.3847 looks on a white background.

Color Contrast Check

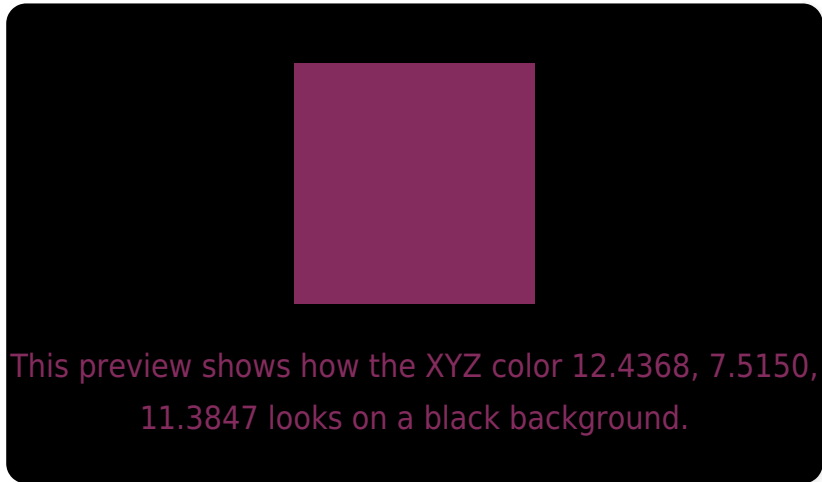
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

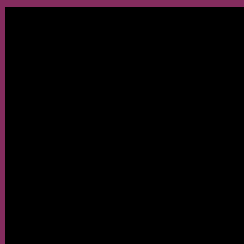
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.4368, 7.5150, 11.3847

Background



This preview shows how black text looks on a background with the XYZ color 12.4368, 7.5150, 11.3847.



This preview shows how white text looks on a background with the XYZ color 12.4368, 7.5150,

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

12.4368, 7.5150, 11.3847

Protanopia

8.1039, 7.7396, 18.2063

Deuteranopia

7.7810, 7.6395, 10.5157



Tritanopia

11.0649, 7.5087, 4.7370

Trichromacy



Original Color

12.4368, 7.5150, 11.3847

Protanomaly

8.7704, 7.0086, 15.3585

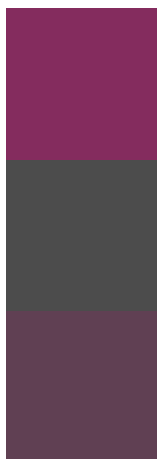
Deuteranomaly

8.9773, 7.1314, 10.8009

Tritanomaly

11.4520, 7.4692, 6.6325

Monochromacy



Original Color

12.4368, 7.5150, 11.3847

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.2186, 6.7781, 9.0588

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4368, 7.5150, 11.3847 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(132, 44, 94)` looks like.

```
.text, #text, p{  
    color:rgb(132, 44, 94)  
}
```

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(132, 44, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 44, 94) }
```

Border

The CSS property to change the border of an element to XYZ 12.4368, 7.5150, 11.3847 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(132, 44, 94) }
```


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

```
.border{ border-color:rgb(132, 44, 94) }
```

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

Here you see how a box with a 4 pixel rgb(132, 44, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 44, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 44, 94);  
box-shadow:4px 4px 4px 4px rgb(132, 44,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4368, 7.5150, 11.3847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 44, 94) }
```

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

```
.background{ background-color: rgb(132, 44,  
94) }
```

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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