

Converting Colors

XYZ(12.3205, 7.5373, 2.9947)

Have a look what the booklet for
XYZ(12.3205, 7.5373, 2.9947)
contains.

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Color

**XYZ(12.4012, 7.5739,
2.9988)**

Conversions

Conversions Part 1

Format	Color
Hex	8E2A2A
RGB	142, 42, 42
RGB Percent	56%, 16%, 16%
CMY	0.4431, 0.8353, 0.8353
CMYK	0.00, 0.70, 0.70, 0.44
HSL	0°, 54%, 36%
HSV	0°, 70%, 56%
XYZ	12.4012, 7.5739, 2.9988
YIQ	71.9000, 59.6000, 21.2000

Conversions

Conversions Part 2

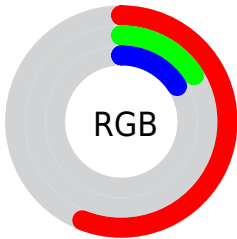
Format	Color
RYB	142, 42, 42
Decimal	9316906
CIELab	33.08, 42.05, 24.22
CIELCh	33, 48.526, 29.943
Yxy	7.5739, 0.5398, 0.3297
Android (android.graphics.Color)	4287506986 (0xFF8E2A2A)
YUV	71.9000, -14.7407, 61.4777
Hunter-Lab	27.5207, 32.2732, 12.8040

Details

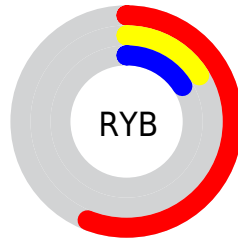
The XYZ color **12.4012, 7.5739, 2.9988** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **15.5093, 21.7891, 28.9792**, and the grayscale version is **6.1603, 6.4811, 7.0579**.

A 20% lighter version of the original color is **29.8104, 21.1110, 11.5205**, and **3.7463, 1.9313, 0.1753** is the 20% darker color. If you saturate the color by 10%, you get **11.7732, 6.6551, 1.7502**, and if you desaturate by 10%, it is **13.2981, 8.8866, 4.7816**.

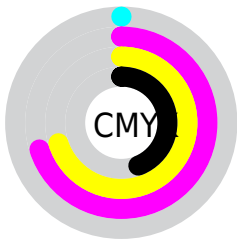
Distribution



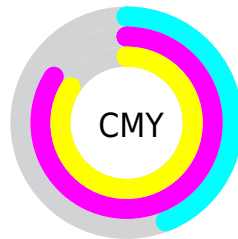
- Red (56%)
- Green (16%)
- Blue (16%)



- Red (56%)
- Yellow (16%)
- Blue (16%)



- Cyan (0%)
- Magenta (70%)
- Yellow (70%)
- Black (44%)




- Cyan (44%)
- Magenta (84%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.4012, 7.5739, 2.9988 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 12.4012, 7.5739, 2.9988 by changing the saturation by 10% instead.

 12.4012, 7.5739,
2.9988


 12.4012, 7.5739,
2.9988


200.7597,
172.3507, 136.3453


 7.0917, 3.8235,
1.0940


 29.8343, 21.1188,
11.6255


 3.5663, 1.5753,
0.0000

 42.6886, 31.6821,
19.1845


 1.4598, 0.3409,
0.0000

 58.7884, 45.2851,
29.4652

 0.2983, 0.0000,
0.0000

 78.4993, 62.3123,
42.8864

 0.0000, 0.0000,
0.0000

 102.1865, 83.1481,
59.8664

 130.2154,

108.1768, 80.8239

162.9513,
137.7829, 106.1774

12.4012, 7.5739,
2.9988

12.4012, 7.5739,
2.9988

11.7732, 6.6551,
1.7502

13.2981, 8.8866,
4.7816

11.3836, 6.0850,
0.9759

14.4890, 10.6292,
7.1488

11.1553, 5.7509,
0.5221

15.9965, 12.8351,
10.1457

17.8410, 15.5342,
13.8125

20.0413, 18.7538,
18.1864

■ 22.6145, 22.5191,
23.3019

■ 25.5768, 26.8538,
29.1910

■ 28.9435, 31.7802,
35.8840

■ 32.7290, 37.3193,
43.4095

Harmonies

Analogous

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



13.3759, 7.5739, 8.2609



12.4012, 7.5739, 2.9988



9.9760, 7.5739, 1.0536

Triad

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



12.4012, 7.5739, 2.9988



3.7060, 7.5739, 2.9863



7.1938, 7.5739, 32.1254

Complementary

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



12.4012, 7.5739, 2.9988



15.5093, 21.7891, 28.9792

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.



4.9917, 7.5739, 27.6297



12.4012, 7.5739, 2.9988



3.2944, 7.5739, 8.2325

Square

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



12.4012, 7.5739, 2.9988



4.9984, 7.5739, 1.0500



3.7028, 7.5739, 17.5485



9.9653, 7.5739, 27.6615

Rectangle

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



12.4012, 7.5739, 2.9988



8.0990, 7.5739, 0.6469



3.7028, 7.5739, 17.5485



6.3678, 7.5739, 31.5887

Sweetspot

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



12.4014, 7.5743, 2.9989



34.9182, 32.4517, 31.2293



16.8657, 9.3597, 26.5086



7.5822, 6.9308, 6.5440



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.4014, 7.5743, 2.9989



20.2803, 11.0320, 2.1305



15.4003, 13.5722, 3.9986



5.4089, 5.4241, 5.6513



10.0159, 5.1635, 0.4688



0.0958, 0.0494, 0.0045

Inverse Universe

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



15.5093, 21.7891, 28.9792



26.1317, 37.7952, 51.0458



9.6645, 10.0995, 27.0310



5.5602, 6.1163, 6.9163



13.0674, 19.1209, 25.9791



0.1249, 0.1828, 0.2484

Previews

White Background



This preview shows how the XYZ color 12.4012, 7.5739, 2.9988 looks on a white background.

Color Contrast Check

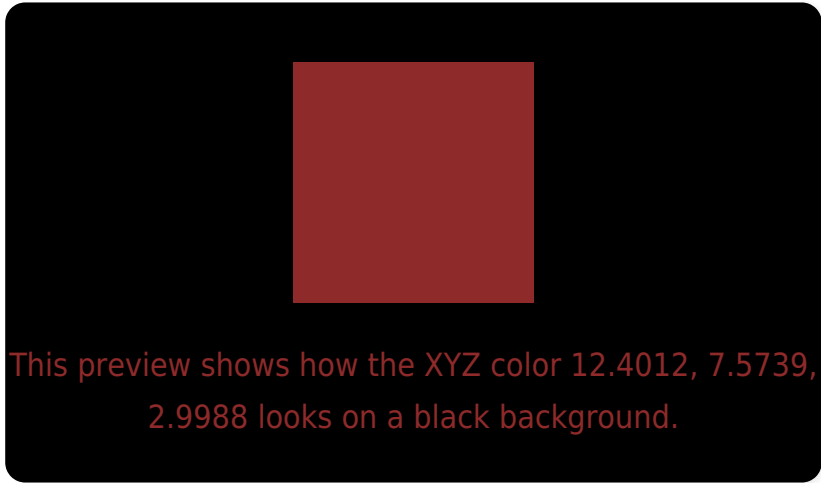
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4012, 7.5739, 2.9988

Background



This preview shows how black text looks on a background with the XYZ color 12.4012, 7.5739, 2.9988.

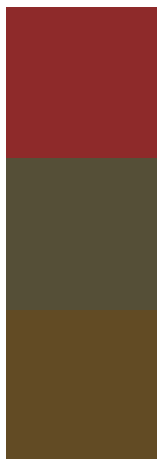


This preview shows how white text looks on a background with the XYZ color 12.4012, 7.5739, 2.9988.

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

12.4012, 7.5739, 2.9988

Protanopia

7.2319, 7.7991, 4.7386

Deuteranopia

7.8715, 7.7562, 2.7513



Tritanopia

12.4379, 7.5886, 3.1921

Trichromacy



Original Color

12.4012, 7.5739, 2.9988

Protanomaly

8.4678, 7.1909, 3.9593

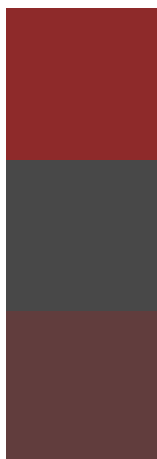
Deuteranomaly

9.0668, 7.2724, 2.7596

Tritanomaly

12.4193, 7.5811, 3.0942

Monochromacy



Original Color

12.4012, 7.5739, 2.9988

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.4408, 6.2158, 5.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.4012, 7.5739, 2.9988 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(142, 42, 42)` looks like.

```
.text, #text, p{  
    color:rgb(142, 42, 42)  
}
```

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(142, 42, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 42, 42) }
```

Border

The CSS property to change the border of an element to XYZ 12.4012, 7.5739, 2.9988 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(142, 42, 42) }
```


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

```
.border{ border-color:rgb(142, 42, 42) }
```

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

Here you see how a box with a 4 pixel rgb(142, 42, 42) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 42, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 42, 42);  
box-shadow:4px 4px 4px 4px rgb(142, 42,  
42) }
```

Background

The CSS property to change the background color of an element to XYZ 12.4012, 7.5739, 2.9988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 42, 42) }
```

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

```
.background{ background-color: rgb(142, 42,  
42) }
```

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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