

Converting Colors

XYZ(12.3629, 7.9070, 1.6116)

Have a look what the booklet for
XYZ(12.3629, 7.9070, 1.6116)
contains.

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Color

**XYZ(12.3571, 7.9226,
1.6370)**

Conversions

Conversions Part 1

Format	Color
Hex	8E3016
RGB	142, 48, 22
RGB Percent	56%, 19%, 9%
CMY	0.4431, 0.8117, 0.9137
CMYK	0.00, 0.66, 0.85, 0.44
HSL	13°, 73%, 32%
HSV	13°, 85%, 56%
XYZ	12.3571, 7.9226, 1.6370
YIQ	73.1420, 64.3700, 11.8420

Conversions

Conversions Part 2

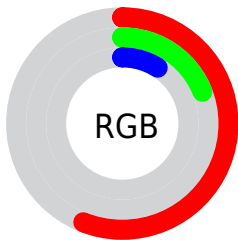
Format	Color
R_{YB}	142, 55, 22
Decimal	9318422
CIE Lab	33.82, 38.55, 36.54
CIE LCh	34, 53.113, 43.464
Yxy	7.9226, 0.5638, 0.3615
Android (android.graphics.Color)	4287508502 (0xFF8E3016)
YUV	73.1420, -25.2130, 60.3885
Hunter-Lab	28.1471, 29.1073, 16.2547

Details

The XYZ color **12.3571, 7.9226, 1.6370** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.4582, 14.6132, 27.8077**, and the grayscale version is **6.3929, 6.7259, 7.3245**.

A 20% lighter version of the original color is **29.8321, 21.8855, 7.9622**, and **3.6562, 1.8848, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **11.8559, 7.0837, 0.9664**, and if you desaturate by 10%, it is **13.0474, 9.0205, 2.7387**.

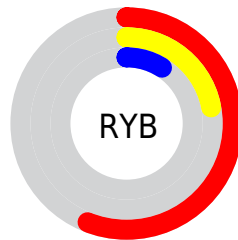
Distribution



Red (56%)

Green (19%)

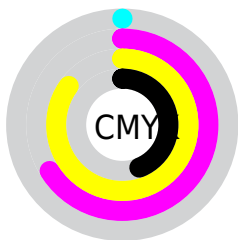
Blue (9%)



Red (56%)

Yellow (22%)

Blue (9%)

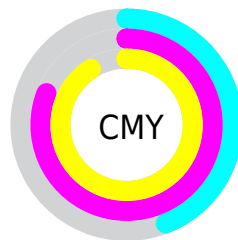


Cyan (0%)

Magenta (66%)

Yellow (85%)

Black (44%)



Cyan (44%)

Magenta (81%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.3571, 7.9226, 1.6370 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 12.3571, 7.9226, 1.6370 by changing the saturation by 10% instead.

■ 12.3571, 7.9226,
1.6370

■ 12.3571, 7.9226,
1.6370

200.4773,
175.1237, 116.4580

■ 7.0613, 4.0455,
0.3170

■ 29.7551, 21.8066,
8.0223

■ 3.5471, 1.6990,
0.0000

■ 42.5880, 32.5822,
14.0587

■ 1.4493, 0.4230,
0.0000

■ 58.6639, 46.4261,
22.5490

■ 0.2909, 0.0000,
0.0000


■ 78.3483, 63.7227,
33.9118


■ 0.0000, 0.0000,
0.0000


■ 102.0065, 84.8563,
48.5655


■ 130.0038,


110.2114, 66.9288


 162.7056,
140.1724, 89.4201


 12.3571, 7.9226,
1.6370


 12.3571, 7.9226,
1.6370


 11.8559, 7.0837,
0.9664


 13.0474, 9.0205,
2.7387

 11.6393, 6.7189,
0.6834

 13.9456, 10.3963,
4.3349

 15.0682, 12.0684,
6.4759

 16.4296, 14.0530,
9.2058

 18.0432, 16.3653,
12.5640

■ 19.9211, 19.0193,
16.5866

■ 22.0747, 22.0282,
21.3068

■ 24.5148, 25.4048,
26.7557

■ 27.2515, 29.1608,
32.9625

Harmonies

Analogous

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



14.3758, 7.9226, 5.4113



12.3571, 7.9226, 1.6370



9.2350, 7.9226, 0.5171

Triad

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



12.3571, 7.9226, 1.6370



3.3435, 7.9226, 4.8264



8.9075, 7.9226, 35.4220

Complementary

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



12.3571, 7.9226, 1.6370



11.4582, 14.6132, 27.8077

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.



6.0492, 7.9226, 34.8557



12.3571, 7.9226, 1.6370



3.2986, 7.9226, 12.9142

Square

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



12.3571, 7.9226, 1.6370



4.3035, 7.9226, 1.4447



4.1593, 7.9226, 24.9797



12.0647, 7.9226, 26.2326

Rectangle

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



12.3571, 7.9226, 1.6370



7.1976, 7.9226, 0.3703



4.1593, 7.9226, 24.9797



7.8728, 7.9226, 36.4852

Sweetspot

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



12.3573, 7.9231, 1.6371



34.7718, 33.0365, 28.4750



14.5946, 7.5856, 17.2179



7.5310, 7.0471, 5.8527



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.



12.3573, 7.9231, 1.6371



20.4231, 11.6443, 1.1712



16.6626, 16.5338, 3.0723



5.4978, 5.6018, 5.6809



10.4623, 6.0563, 0.6176



0.1138, 0.0854, 0.0105

Inverse Universe

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



11.4582, 14.6132, 27.8077



18.5547, 23.3337, 48.6538



6.6276, 4.9520, 26.1975



5.4625, 5.9207, 6.8837



9.5236, 12.0331, 24.7978



0.1070, 0.1468, 0.2424

Previews

White Background



This preview shows how the XYZ color 12.3571, 7.9226, 1.6370 looks on a white background.

Color Contrast Check

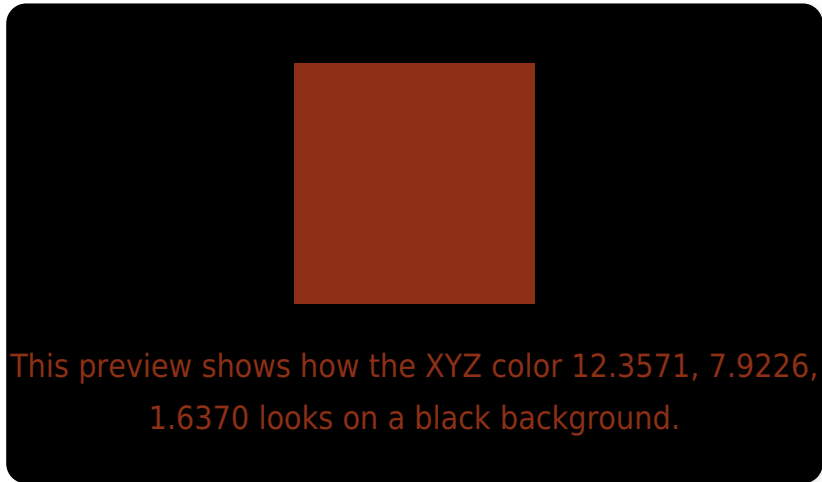
Large Text (above 18pt) WCAG AA ✓ Pass

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

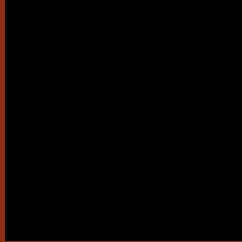
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3571, 7.9226, 1.6370

Background



This preview shows how black text looks on a background with the XYZ color 12.3571, 7.9226, 1.6370.



This preview shows how white text looks on a background with the XYZ color 12.3571, 7.9226, 1.6370.

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

12.3571, 7.9226, 1.6370

Protanopia

7.3932, 8.1523, 2.4122

Deuteranopia

8.1078, 8.0112, 1.3487



Tritanopia

12.7996, 7.9298, 3.6523

Trichromacy



Original Color

12.3571, 7.9226, 1.6370

Protanomaly

8.6326, 7.5866, 2.0463

Deuteranomaly

9.3570, 7.7074, 1.3753

Tritanomaly

12.6709, 7.9401, 2.7842

Monochromacy



Original Color

12.3571, 7.9226, 1.6370

Achromatopsia

6.3328, 6.6626, 7.2556

Achromatomaly

7.5363, 6.5298, 4.3532

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3571, 7.9226, 1.6370 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, 48, 22)` looks like.

```
.text, #text, p{  
    color:rgb(142, 48, 22)  
}
```

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, 48, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 48, 22) }
```

Border

The CSS property to change the border of an element to XYZ 12.3571, 7.9226, 1.6370 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, 48, 22) }
```


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

```
.border{ border-color:rgb(142, 48, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 48, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 48, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 48, 22);  
box-shadow:4px 4px 4px 4px rgb(142, 48,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3571, 7.9226, 1.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 48, 22) }
```

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

```
.background{ background-color: rgb(142, 48,  
22) }
```

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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