

Converting Colors

XYZ(12.9067, 8.7339, 1.8697)

Have a look what the booklet for
XYZ(12.9067, 8.7339, 1.8697)
contains.

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Color

**XYZ(12.9067, 8.7339,
1.8697)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3818
RGB	143, 56, 24
RGB Percent	56%, 22%, 9%
CMY	0.4392, 0.7804, 0.9059
CMYK	0.00, 0.61, 0.83, 0.44
HSL	16°, 71%, 33%
HSV	16°, 83%, 56%
XYZ	12.9067, 8.7339, 1.8697
YIQ	78.3650, 62.1240, 8.4920

Conversions

Conversions Part 2

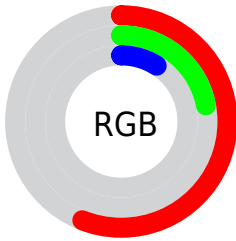
Format	Color
R_{YB}	143, 68, 24
Decimal	9386008
CIE _{Lab}	35.47, 35.16, 37.14
CIE _{LCh}	35, 51.140, 46.569
Yxy	8.7339, 0.5490, 0.3715
Android (android.graphics.Color)	4287576088 (0xFF8F3818)
YUV	78.3650, -26.8019, 56.6849
Hunter-Lab	29.5532, 26.2379, 16.9362

Details

The XYZ color **12.9067, 8.7339, 1.8697** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **11.0185, 13.5451, 28.0201**, and the grayscale version is **7.3520, 7.7349, 8.4233**.

A 20% lighter version of the original color is **30.6166, 23.3068, 8.6793**, and **3.8595, 2.0219, 0.1868** is the 20% darker color. If you saturate the color by 10%, you get **12.3403, 7.7800, 1.1299**, and if you desaturate by 10%, it is **13.6575, 9.9318, 3.0565**.

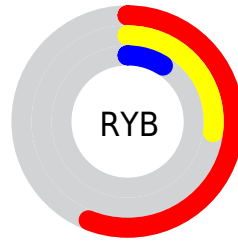
Distribution



 Red (56%)

 Green (22%)

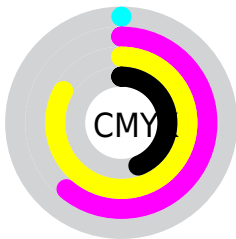
 Blue (9%)



 Red (56%)

 Yellow (27%)

 Blue (9%)

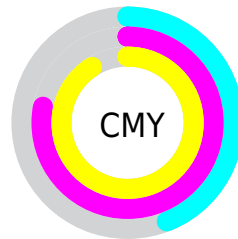



 Cyan (0%)

 Magenta (61%)

 Yellow (83%)

 Black (44%)



 Cyan (44%)

 Magenta (78%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9067, 8.7339, 1.8697 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 12.9067, 8.7339, 1.8697 by changing the saturation by 10% instead.

12.9067, 8.7339,
1.8697

12.9067, 8.7339,
1.8697

203.9686,
181.3802, 120.3195

7.4409, 4.5680,
0.4734

30.7388, 23.3851,
8.6814

3.7881, 1.9961,
0.0000

43.8358, 34.6392,
15.0125

1.5830, 0.6052,
0.0000

60.2073, 49.0249,
23.8517

0.3813, 0.0000,
0.0000


80.2185, 66.9265,
35.6176


0.0000, 0.0000,
0.0000

104.2349, 88.7285,
50.7289


132.6218,

114.8151, 69.6039


 165.7446,
145.5709, 92.6613


 12.9067, 8.7339,
1.8697


 12.9067, 8.7339,
1.8697


 12.3403, 7.7800,
1.1299


 13.6575, 9.9318,
3.0565

 12.0355, 7.2554,
0.7661

 14.6089, 11.3886,
4.7485

 15.7757, 13.1197,
6.9955

 17.1713, 15.1386,
9.8411

 18.8076, 17.4582,
13.3247

■ 20.6959, 20.0903,
17.4820

■ 22.8465, 23.0462,
22.3464

■ 25.2693, 26.3365,
27.9487

■ 27.9736, 29.9715,
34.3181

Harmonies

Analogous

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



15.1093, 8.7339, 5.5494



12.9067, 8.7339, 1.8697



9.7075, 8.7339, 0.7976

Triad

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



12.9067, 8.7339, 1.8697



3.8758, 8.7339, 6.1791



10.0484, 8.7339, 35.5768

Complementary

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



12.9067, 8.7339, 1.8697



11.0185, 13.5451, 28.0201

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.



7.0379, 8.7339, 36.1413



12.9067, 8.7339, 1.8697



3.9250, 8.7339, 15.0112

Square

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



12.9067, 8.7339, 1.8697



4.7912, 8.7339, 2.0933



4.9469, 8.7339, 27.1441



13.2073, 8.7339, 25.8832

Rectangle

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



12.9067, 8.7339, 1.8697



7.6617, 8.7339, 0.7233



4.9469, 8.7339, 27.1441



8.9755, 8.7339, 36.9800

Sweetspot

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



12.9069, 8.7344, 1.8698



36.2404, 34.8382, 29.4758



14.5382, 7.6465, 15.8256



8.0627, 7.6441, 6.2117



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



12.9069, 8.7344, 1.8698



21.4295, 12.7446, 1.3305



17.6498, 18.2202, 3.4508



5.5196, 5.6454, 5.6881



10.6573, 6.4463, 0.6826



0.1181, 0.0940, 0.0119

Inverse Universe

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



11.0185, 13.5451, 28.0201



17.6951, 21.1839, 49.6943



6.5522, 4.6126, 26.5313



5.4393, 5.8743, 6.8759



8.8268, 10.6397, 24.5655



0.1026, 0.1382, 0.2409

Previews

White Background



This preview shows how the XYZ color 12.9067, 8.7339, 1.8697 looks on a white background.

Color Contrast Check

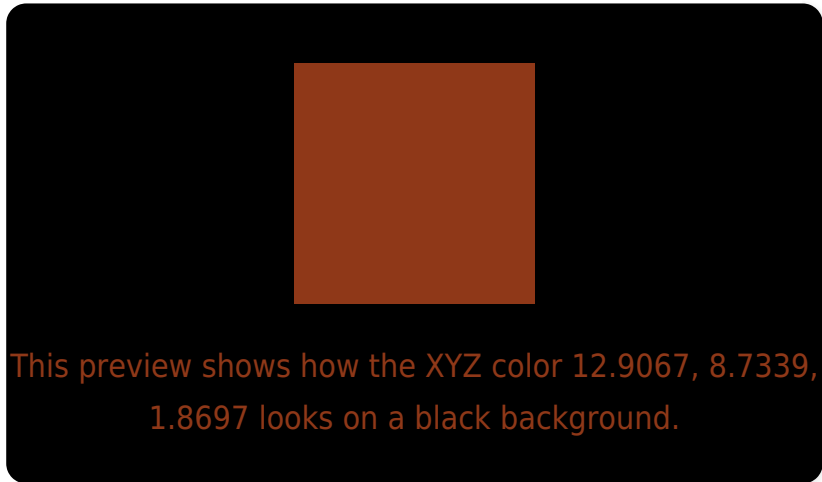
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9067, 8.7339, 1.8697

Background



This preview shows how black text looks on a background with the XYZ color 12.9067, 8.7339, 1.8697.



This preview shows how white text looks on a background with the XYZ color 12.9067, 8.7339,

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

12.9067, 8.7339, 1.8697

Protanopia

8.1119, 8.9756, 2.6012

Deuteranopia

8.8918, 8.8332, 1.6518



Tritanopia

13.4885, 8.7610, 4.7215

Trichromacy



Original Color

12.9067, 8.7339, 1.8697

Protanomaly

9.3405, 8.4261, 2.2327

Deuteranomaly

9.9702, 8.4721, 1.6821

Tritanomaly

13.2754, 8.7495, 3.3720

Monochromacy



Original Color

12.9067, 8.7339, 1.8697

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.4334, 7.5106, 5.0082

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9067, 8.7339, 1.8697 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(143, 56, 24)` looks like.

```
.text, #text, p{  
    color:rgb(143, 56, 24)  
}
```

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(143, 56, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 56, 24) }
```

Border

The CSS property to change the border of an element to XYZ 12.9067, 8.7339, 1.8697 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(143, 56, 24) }
```


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

```
.border{ border-color:rgb(143, 56, 24) }
```

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

Here you see how a box with a 4 pixel rgb(143, 56, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 56, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 56, 24);  
box-shadow:4px 4px 4px 4px rgb(143, 56,  
24) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9067, 8.7339, 1.8697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 56, 24) }
```

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

```
.background{ background-color: rgb(143, 56,  
24) }
```

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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