

Converting Colors

XYZ(12.3350, 7.9056, 0.8758)

Have a look what the booklet for
XYZ(12.3350, 7.9056, 0.8758)
contains.

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Color

**XYZ(12.3846, 7.9535,
0.8824)**

Conversions

Conversions Part 1

Format	Color
Hex	8F3000
RGB	143, 48, 0
RGB Percent	56%, 19%, 0%
CMY	0.4392, 0.8117, 1.0000
CMYK	0.00, 0.66, 1.00, 0.44
HSL	20°, 100%, 28%
HSV	20°, 100%, 56%
XYZ	12.3846, 7.9535, 0.8824
YIQ	70.9330, 72.0280, 5.2120

Conversions

Conversions Part 2

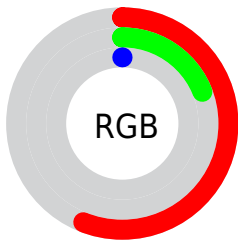
Format	Color
RYB	143, 72, 0
Decimal	9383936
CIELab	33.89, 38.46, 45.80
CIELCh	34, 59.808, 49.981
Yxy	7.9535, 0.5836, 0.3748
Android (android.graphics.Color)	4287574016 (0xFF8F3000)
YUV	70.9330, -34.9700, 63.2028
Hunter-Lab	28.2020, 29.0330, 17.8863

Details

The XYZ color **12.3846, 7.9535, 0.8824** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.0495, 10.1664, 27.4717**, and the grayscale version is **6.0269, 6.3408, 6.9051**.

A 20% lighter version of the original color is **29.9394, 21.9913, 5.6844**, and **3.6562, 1.8848, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **12.3848, 7.9540, 0.8825**, and if you desaturate by 10%, it is **12.8971, 8.8486, 1.4544**.

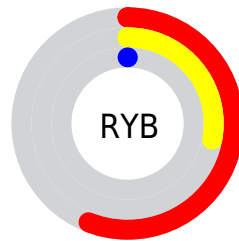
Distribution



Red (56%)

Green (19%)

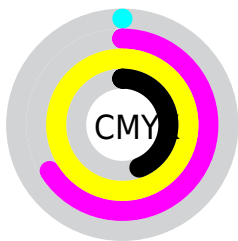
Blue (0%)



Red (56%)

Yellow (28%)

Blue (0%)

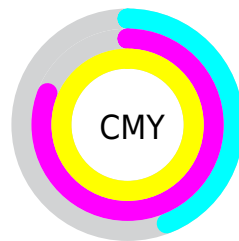


Cyan (0%)

Magenta (66%)

Yellow (100%)

Black (44%)



Cyan (44%)


Magenta (81%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3846, 7.9535, 0.8824 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 12.3846, 7.9535, 0.8824 by changing the saturation by 10% instead.


 12.3846, 7.9535,
0.8824


 12.3846, 7.9535,
0.8824


 200.6534,
175.3668, 101.5103


 7.0802, 4.0652,
0.0000


 29.8045, 21.8672,
5.6710


 3.5591, 1.7101,
0.0000

 42.6507, 32.6615,
10.5746


 1.4559, 0.4302,
0.0000

 58.7416, 46.5265,
17.7099

 0.2955, 0.0000,
0.0000


 78.4425, 63.8466,
27.4954


 0.0000, 0.0000,
0.0000


 102.1188, 85.0064,
40.3497


 130.1358,

110.3900, 56.6912


 162.8589,
140.3821, 76.9386


 12.3846, 7.9535,
0.8824


 12.3846, 7.9535,
0.8824


 12.3848, 7.9540,
0.8825

 12.8971, 8.8486,
1.4544

 13.5519, 9.9412,
2.3412

 14.3811, 11.2519,
3.6897

 15.3991, 12.7931,
5.5548

 16.6187, 14.5762,
7.9833

■ 18.0510, 16.6118,
11.0169

■ 19.7067, 18.9097,
14.6932

■ 21.5954, 21.4791,
19.0468

■ 23.7262, 24.3289,
24.1098

Harmonies

Analogous

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



15.1725, 7.9535, 3.8376



12.3846, 7.9535, 0.8824



8.7110, 7.9535, 0.0000

Triad

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



12.3846, 7.9535, 0.8824



2.8939, 7.9535, 5.8819



9.9264, 7.9535, 39.1501

Complementary

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



12.3846, 7.9535, 0.8824



9.0495, 10.1664, 27.4717

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.



6.5144, 7.9535, 41.4121



12.3846, 7.9535, 0.8824



3.0459, 7.9535, 16.4160

Square

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



12.3846, 7.9535, 0.8824



3.6847, 7.9535, 1.4633



4.1855, 7.9535, 31.1703



13.4924, 7.9535, 26.2456

Rectangle

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



12.3846, 7.9535, 0.8824



6.5181, 7.9535, 0.0000



4.1855, 7.9535, 31.1703



8.7064, 7.9535, 41.4181

Sweetspot

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



12.3848, 7.9540, 0.8825



35.0917, 33.5893, 25.8604



13.4083, 6.6719, 11.4871



7.7815, 7.3357, 5.3342



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.



12.3848, 7.9540, 0.8825



22.0356, 13.9569, 1.5325



17.9442, 19.0728, 2.7357



5.5476, 5.7015, 5.6975



10.9684, 7.0685, 0.7863



0.1236, 0.1051, 0.0138

Inverse Universe

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



9.0495, 10.1664, 27.4717



16.0438, 17.8814, 49.1439



5.2811, 2.6296, 26.2155



5.4098, 5.8154, 6.8661



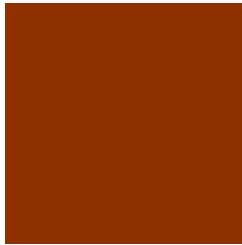
8.0213, 9.0286, 24.2970



0.0971, 0.1271, 0.2391

Previews

White Background



This preview shows how the XYZ color 12.3846, 7.9535, 0.8824 looks on a white background.

Color Contrast Check

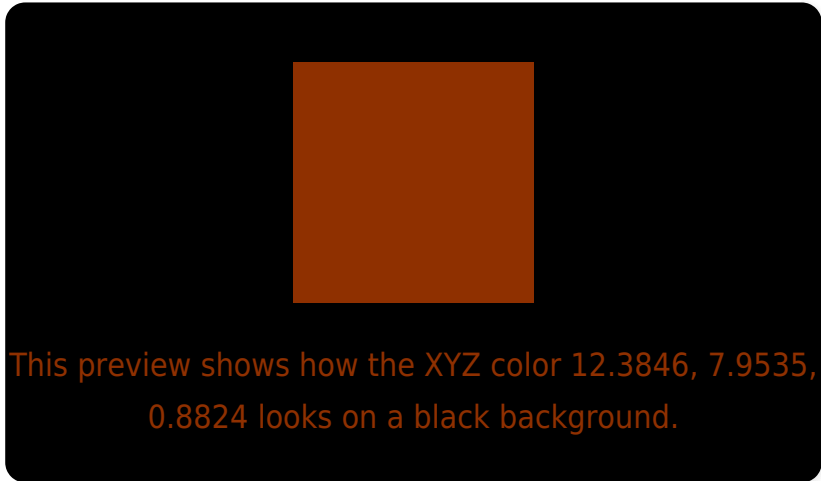
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3846, 7.9535, 0.8824

Background



This preview shows how black text looks on a background with the XYZ color 12.3846, 7.9535, 0.8824.



This preview shows how white text looks on a background with the XYZ color 12.3846, 7.9535,

0.8824.

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

12.3846, 7.9535, 0.8824

Protanopia

7.3430, 8.1435, 1.6368

Deuteranopia

8.1334, 8.1325, 1.1411



Tritanopia

12.9531, 8.0113, 3.5530

Trichromacy



Original Color

12.3846, 7.9535, 0.8824

Protanomaly

8.6133, 7.5932, 1.2988

Deuteranomaly

9.2843, 7.6783, 0.9927

Tritanomaly

12.7129, 7.9770, 2.0980

Monochromacy



Original Color

12.3846, 7.9535, 0.8824

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

7.1809, 6.2859, 3.3174

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3846, 7.9535, 0.8824 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, 48, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 48, 0)  
}
```

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, 48, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 48, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.3846, 7.9535, 0.8824 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, 48, 0) }
```


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

```
.border{ border-color:rgb(143, 48, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 48, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 48, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 48, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 48, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.3846, 7.9535, 0.8824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 48, 0) }
```

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

```
.background{ background-color: rgb(143, 48,  
0) }
```

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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