

Converting Colors

XYZ(12.1006, 7.4369, 0.7977)

Have a look what the booklet for
XYZ(12.1006, 7.4369, 0.7977)
contains.

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Color

**XYZ(12.1206, 7.4255,
0.7944)**

Conversions

Conversions Part 1

Format	Color
Hex	8F2900
RGB	143, 41, 0
RGB Percent	56%, 16%, 0%
CMY	0.4392, 0.8392, 1.0000
CMYK	0.00, 0.71, 1.00, 0.44
HSL	17°, 100%, 28%
HSV	17°, 100%, 56%
XYZ	12.1206, 7.4255, 0.7944
YIQ	66.8240, 73.9530, 8.8730

Conversions

Conversions Part 2

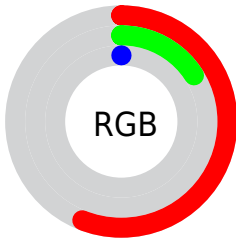
Format	Color
R_{YB}	143, 57, 0
Decimal	9382144
CIE _{Lab}	32.76, 41.51, 45.11
CIE _{LCh}	33, 61.307, 47.381
Yxy	7.4255, 0.5959, 0.3651
Android (android.graphics.Color)	4287572224 (0xFF8F2900)
YUV	66.8240, -32.9442, 66.8064
Hunter-Lab	27.2498, 31.7091, 17.3464

Details

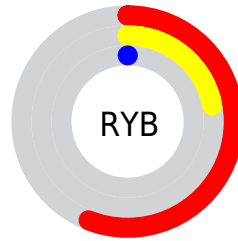
The XYZ color **12.1206, 7.4255, 0.7944** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **9.7085, 11.4844, 27.6913**, and the grayscale version is **5.3499, 5.6285, 6.1294**.

A 20% lighter version of the original color is **29.3706, 20.8878, 5.3895**, and **3.6562, 1.8848, 0.1711** is the 20% darker color. If you saturate the color by 10%, you get **12.1208, 7.4259, 0.7945**, and if you desaturate by 10%, it is **12.6018, 8.2578, 1.3560**.

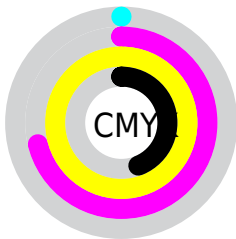
Distribution



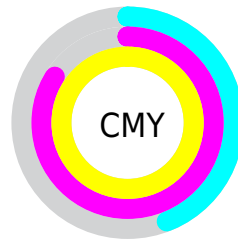
- Red (56%)
- Green (16%)
- Blue (0%)



- Red (56%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (100%)
- Black (44%)



- Cyan (44%)
- Magenta (84%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.1206, 7.4255, 0.7944 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 12.1206, 7.4255, 0.7944 by changing the saturation by 10% instead.

12.1206, 7.4255,
0.7944

12.1206, 7.4255,
0.7944

198.9557,
171.1539, 99.5610

6.8986, 3.7296,
0.0000

29.3295, 20.8242,
5.3891

3.4446, 1.5235,
0.0000

42.0472, 31.2958,
10.1462

1.3930, 0.3052,
0.0000

57.9942, 44.7948,
17.1044

0.2512, 0.0000,
0.0000


77.5358, 61.7055,
26.6823


0.0000, 0.0000,
0.0000


101.0374, 82.4124,
39.2983


128.8643,

107.2998, 55.3711


 161.3820,
136.7522, 75.3192


 12.1206, 7.4255,
0.7944


 12.1206, 7.4255,
0.7944


 12.1208, 7.4259,
0.7945

 12.6018, 8.2578,
1.3560

 13.2349, 9.3073,
2.2355

 14.0537, 10.5970,
3.5806

 15.0736, 12.1420,
5.4463

 16.3084, 13.9558,
7.8798

■ 17.7705, 16.0508,
10.9233

■ 19.4712, 18.4388,
14.6147

■ 21.4212, 21.1307,
18.9887

■ 23.6303, 24.1369,
24.0777

Harmonies

Analogous

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



14.7457, 7.4255, 3.8685



12.1206, 7.4255, 0.7944



8.4950, 7.4255, 0.0000

Triad

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



12.1206, 7.4255, 0.7944



2.5833, 7.4255, 4.8035



9.0683, 7.4255, 39.4425

Complementary

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



12.1206, 7.4255, 0.7944



9.7085, 11.4844, 27.6913

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.



5.7925, 7.4255, 40.5468



12.1206, 7.4255, 0.7944



2.6519, 7.4255, 14.6041

Square

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



12.1206, 7.4255, 0.7944



3.4184, 7.4255, 1.0485



3.6471, 7.4255, 29.3379



12.6485, 7.4255, 26.9517

Rectangle

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



12.1206, 7.4255, 0.7944



6.2936, 7.4255, 0.0000



3.6471, 7.4255, 29.3379



7.8813, 7.4255, 41.3749

Sweetspot

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



12.1208, 7.4259, 0.7945



34.6641, 32.7342, 25.7179



13.7499, 6.8085, 13.2858



7.6758, 7.1244, 5.2990



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.



12.1208, 7.4259, 0.7945



21.5767, 13.0390, 1.3796



17.1235, 17.4315, 2.4621



5.5270, 5.6604, 5.6906



10.7334, 6.5984, 0.7079



0.1196, 0.0970, 0.0124

Inverse Universe

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



9.7085, 11.4844, 27.6913



17.2348, 20.2634, 49.5409



5.4474, 2.9622, 26.2710



5.4314, 5.8586, 6.8733



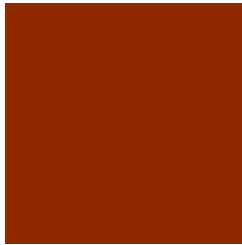
8.6026, 10.1913, 24.4908



0.1011, 0.1352, 0.2404

Previews

White Background



This preview shows how the XYZ color 12.1206, 7.4255, 0.7944 looks on a white background.

Color Contrast Check

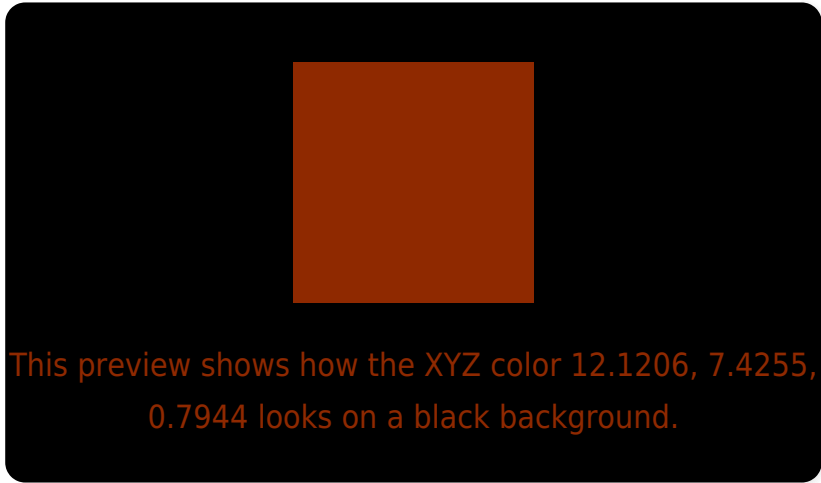
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.1206, 7.4255, 0.7944

Background



This preview shows how black text looks on a background with the XYZ color 12.1206, 7.4255, 0.7944.



This preview shows how white text looks on a background with the XYZ color 12.1206, 7.4255,

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

12.1206, 7.4255, 0.7944

Protanopia

6.9140, 7.7041, 1.6128

Deuteranopia

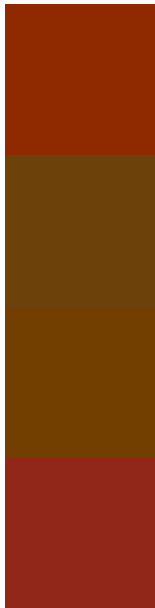
7.6617, 7.6848, 1.0795



Tritanopia

12.5777, 7.4687, 2.7862

Trichromacy



Original Color

12.1206, 7.4255, 0.7944

Protanomaly

8.1294, 6.9907, 1.2080

Deuteranomaly

8.8477, 7.1999, 0.9234

Tritanomaly

12.4026, 7.4505, 1.7041

Monochromacy



Original Color

12.1206, 7.4255, 0.7944

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.6684, 5.6334, 3.0214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.1206, 7.4255, 0.7944 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, 41, 0)` looks like.

```
.text, #text, p{  
    color:rgb(143, 41, 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, 41, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 41, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.1206, 7.4255, 0.7944 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, 41, 0) }
```


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

```
.border{ border-color:rgb(143, 41, 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, 41, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 41, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 41, 0);  
box-shadow:4px 4px 4px 4px rgb(143, 41, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.1206, 7.4255, 0.7944 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 41, 0) }
```

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

```
.background{ background-color: rgb(143, 41,  
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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