

Converting Colors

XYZ(12.8864, 7.6700, 0.8013)

Have a look what the booklet for
XYZ(12.8864, 7.6700, 0.8013)
contains.

XYZ(12.9059, 7.6821, 0.8026)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.9059, 7.6821,
0.8026)**

Conversions

Conversions Part 1

Format	Color
Hex	942600
RGB	148, 38, 0
RGB Percent	58%, 15%, 0%
CMY	0.4196, 0.8510, 1.0000
CMYK	0.00, 0.74, 1.00, 0.42
HSL	15°, 100%, 29%
HSV	15°, 100%, 58%
XYZ	12.9059, 7.6821, 0.8026
YIQ	66.5580, 77.7580, 11.5020

Conversions

Conversions Part 2

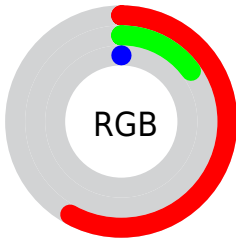
Format	Color
R_{YB}	148, 51, 0
Decimal	9709056
CIE _{Lab}	33.31, 44.44, 45.95
CIE _{LCh}	33, 63.928, 45.959
Yxy	7.6821, 0.6033, 0.3591
Android (android.graphics.Color)	4287899136 (0xFF942600)
YUV	66.5580, -32.8131, 71.4246
Hunter-Lab	27.7166, 34.6123, 17.6847

Details

The XYZ color **12.9059, 7.6821, 0.8026** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.9207, 13.2889, 30.0063**, and the grayscale version is **5.3073, 5.5837, 6.0806**.

A 20% lighter version of the original color is **30.8738, 21.4056, 5.4102**, and **4.0245, 2.0747, 0.1883** is the 20% darker color. If you saturate the color by 10%, you get **12.9060, 7.6825, 0.8026**, and if you desaturate by 10%, it is **13.3961, 8.5270, 1.3844**.

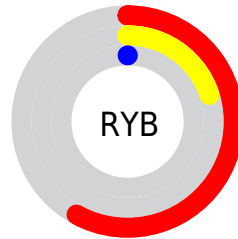
Distribution



Red (58%)

Green (15%)

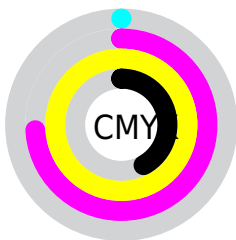
Blue (0%)



Red (58%)

Yellow (20%)

Blue (0%)

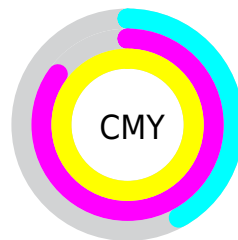


Cyan (0%)

Magenta (74%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (85%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.9059, 7.6821, 0.8026 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 12.9059, 7.6821, 0.8026 by changing the saturation by 10% instead.


 12.9059, 7.6821,
0.8026


 12.9059, 7.6821,
0.8026


 203.9635,
173.2169, 99.7416


 7.4403, 3.8922,
0.0000


 30.7374, 21.3328,
5.4150

 3.7877, 1.6135,
0.0000

 43.8340, 31.9625,
10.1856


 1.5828, 0.3666,
0.0000

 60.2050, 45.6408,
17.1602

 0.3811, 0.0000,
0.0000


 80.2158, 62.7522,
26.7573


 0.0000, 0.0000,
0.0000


 104.2317, 83.6812,
39.3955


 132.6180,


108.8120, 55.4932


 165.7402,
138.5291, 75.4691


 12.9059, 7.6821,
0.8026


 12.9059, 7.6821,
0.8026


 12.9060, 7.6825,
0.8026

 13.3961, 8.5270,
1.3844

 14.0582, 9.6199,
2.3177

 14.9285, 10.9879,
3.7567

 16.0250, 12.6491,
5.7621

 17.3635, 14.6198,
8.3856

■ 18.9582, 16.9152,
11.6734

■ 20.8223, 19.5494,
15.6669

■ 22.9678, 22.5358,
20.4043

■ 25.4062, 25.8868,
25.9211

Harmonies

Analogous

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



15.6442, 7.6821, 4.1753



12.9059, 7.6821, 0.8026



9.0195, 7.6821, 0.0000

Triad

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



12.9059, 7.6821, 0.8026



2.5937, 7.6821, 4.5711



9.2670, 7.6821, 42.7806

Complementary

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



12.9059, 7.6821, 0.8026



10.9207, 13.2889, 30.0063

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.



5.8170, 7.6821, 43.2677



12.9059, 7.6821, 0.8026



2.6225, 7.6821, 14.6987

Square

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



12.9059, 7.6821, 0.8026



3.5158, 7.6821, 0.9084



3.6125, 7.6821, 30.5797



13.1352, 7.6821, 29.5320

Rectangle

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



12.9059, 7.6821, 0.8026



6.6388, 7.6821, 0.0000



3.6125, 7.6821, 30.5797



8.0072, 7.6821, 44.6637

Sweetspot

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



12.9061, 7.6826, 0.8027



36.5288, 34.1978, 27.1841



15.0820, 7.4436, 15.6809



8.0406, 7.3870, 5.5618



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



12.9061, 7.6826, 0.8027



22.6518, 13.3148, 1.3761



17.8972, 17.6648, 2.4664



5.9147, 6.0432, 6.0952



11.0434, 6.6011, 0.6921



0.1561, 0.1227, 0.0155

Inverse Universe

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



10.9207, 13.2889, 30.0063



19.1251, 23.1597, 52.8969



6.0069, 3.4613, 28.3684



5.8394, 6.3127, 7.3804



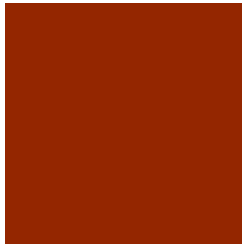
9.3505, 11.3959, 25.6378



0.1382, 0.1869, 0.3217

Previews

White Background



This preview shows how the XYZ color 12.9059, 7.6821, 0.8026 looks on a white background.

Color Contrast Check

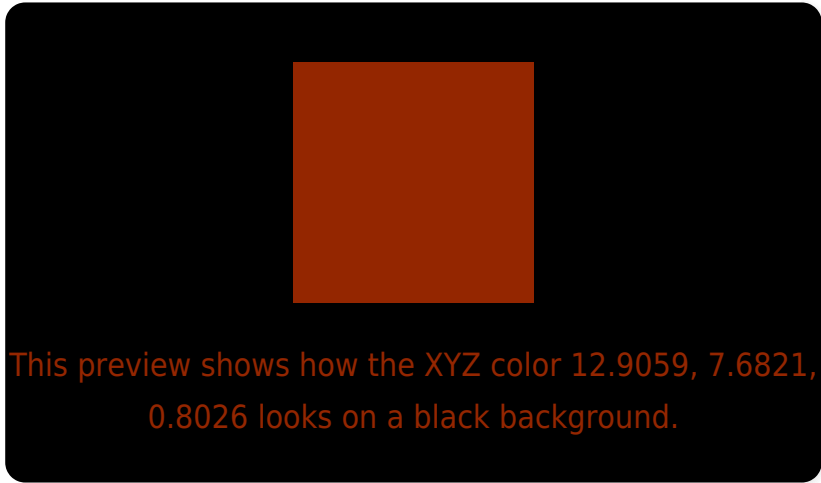
Large Text (above 18pt) WCAG AA ✓ Pass

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

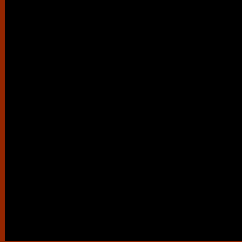
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9059, 7.6821, 0.8026

Background



This preview shows how black text looks on a background with the XYZ color 12.9059, 7.6821, 0.8026.



This preview shows how white text looks on a background with the XYZ color 12.9059, 7.6821,

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

12.9059, 7.6821, 0.8026

Protanopia

7.1863, 7.9515, 1.6863

Deuteranopia

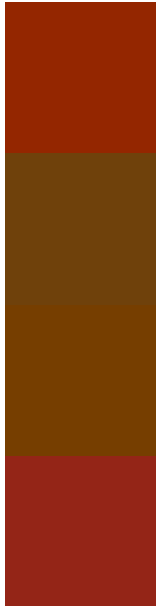
7.9513, 7.9356, 1.1126



Tritanopia

13.1621, 7.6850, 2.4587

Trichromacy



Original Color

12.9059, 7.6821, 0.8026

Protanomaly

8.5062, 7.1843, 1.2550

Deuteranomaly

9.1938, 7.2968, 0.9239

Tritanomaly

13.0290, 7.6809, 1.6065

Monochromacy



Original Color

12.9059, 7.6821, 0.8026

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.6741, 5.4896, 2.9933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9059, 7.6821, 0.8026 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(148, 38, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 38, 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(148, 38, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 38, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.9059, 7.6821, 0.8026 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(148, 38, 0) }
```


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

```
.border{ border-color:rgb(148, 38, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 38, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 38, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 38, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 38, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.9059, 7.6821, 0.8026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 38, 0) }
```

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

```
.background{ background-color: rgb(148, 38,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor