

Converting Colors

XYZ(11.8818, 7.9002, 0.8987)

Have a look what the booklet for
XYZ(11.8818, 7.9002, 0.8987)
contains.

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Color

**XYZ(11.8313, 7.8566,
0.8929)**

Conversions

Conversions Part 1

Format	Color
Hex	8B3300
RGB	139, 51, 0
RGB Percent	55%, 20%, 0%
CMY	0.4549, 0.8000, 1.0000
CMYK	0.00, 0.63, 1.00, 0.45
HSL	22°, 100%, 27%
HSV	22°, 100%, 55%
XYZ	11.8313, 7.8566, 0.8929
YIQ	71.4980, 68.8190, 2.7950

Conversions

Conversions Part 2

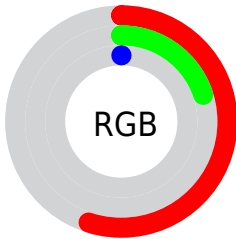
Format	Color
R_{YB}	139, 81, 0
Decimal	9122560
CIE Lab	33.68, 35.50, 45.30
CIE LCh	34, 57.556, 51.914
Yxy	7.8566, 0.5749, 0.3817
Android (android.graphics.Color)	4287312640 (0xFF8B3300)
YUV	71.4980, -35.2485, 59.1993
Hunter-Lab	28.0296, 26.2930, 17.7320

Details

The XYZ color **11.8313, 7.8566, 0.8929** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.1496, 8.8429, 25.7033**, and the grayscale version is **6.1241, 6.4430, 7.0164**.

A 20% lighter version of the original color is **28.7826, 21.6798, 5.6852**, and **3.3933, 1.7493, 0.1588** is the 20% darker color. If you saturate the color by 10%, you get **11.8314, 7.8570, 0.8930**, and if you desaturate by 10%, it is **12.3317, 8.7317, 1.4474**.

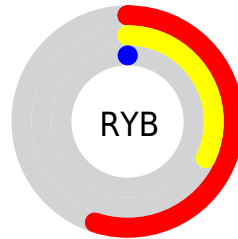
Distribution



Red (55%)

Green (20%)

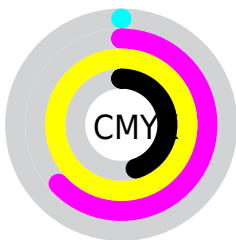
Blue (0%)



Red (55%)

Yellow (32%)

Blue (0%)

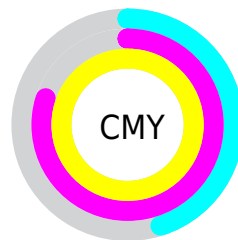


Cyan (0%)

Magenta (63%)

Yellow (100%)

Black (45%)



Cyan (45%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8313, 7.8566, 0.8929 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 11.8313, 7.8566, 0.8929 by changing the saturation by 10% instead.


 11.8313, 7.8566,
0.8929


 11.8313, 7.8566,
0.8929


 197.0780,
174.6029, 101.7446


 6.7003, 4.0033,
0.0000


 28.8070, 21.6768,
5.7053


 3.3200, 1.6754,
0.0000

 41.3824, 32.4126,
10.6266


 1.3252, 0.4077,
0.0000

 57.1700, 46.2113,
17.7831

 0.2019, 0.0000,
0.0000


 76.5351, 63.4574,
27.5935


 0.0000, 0.0000,
0.0000


 99.8431, 84.5351,
40.4763


 127.4594,


109.8291, 56.8501


 159.7492,
139.7235, 77.1333


 11.8313, 7.8566,
0.8929


 11.8313, 7.8566,
0.8929


 11.8314, 7.8570,
0.8930

 12.3317, 8.7317,
1.4474

 12.9585, 9.7796,
2.2909

 13.7422, 11.0184,
3.5651

 14.6956, 12.4587,
5.3207

 15.8297, 14.1098,
7.6014

■ 17.1548, 15.9806,
10.4455

■ 18.6800, 18.0793,
13.8882

■ 20.4140, 20.4137,
17.9614

■ 22.3650, 22.9910,
22.6950

Harmonies

Analogous

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



14.5621, 7.8566, 3.5978



11.8313, 7.8566, 0.8929



8.3468, 7.8566, 0.0761

Triad

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



11.8313, 7.8566, 0.8929



2.9518, 7.8566, 6.3510



9.9475, 7.8566, 36.5973

Complementary

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



11.8313, 7.8566, 0.8929



8.1496, 8.8429, 25.7033

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.



6.6521, 7.8566, 39.5026



11.8313, 7.8566, 0.8929



3.1585, 7.8566, 16.7389

Square

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



11.8313, 7.8566, 0.8929



3.6602, 7.8566, 1.7173



4.3351, 7.8566, 30.5700



13.2797, 7.8566, 24.2090

Rectangle

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



11.8313, 7.8566, 0.8929



6.2922, 7.8566, 0.1228



4.3351, 7.8566, 30.5700



8.7807, 7.8566, 38.9505

Sweetspot

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



11.8315, 7.8571, 0.8930



33.2630, 32.1187, 24.4346



12.4103, 6.1941, 9.7813



7.4222, 7.0693, 5.0773



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.



11.8315, 7.8571, 0.8930



21.0415, 13.7771, 1.5502



17.4201, 19.0344, 2.7559



5.1734, 5.3296, 5.3084



10.6938, 7.1220, 0.8111



0.0842, 0.0735, 0.0098

Inverse Universe

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



8.1496, 8.8429, 25.7033



14.4327, 15.5123, 45.9765



4.8853, 2.3142, 24.6152



5.0211, 5.3852, 6.3806



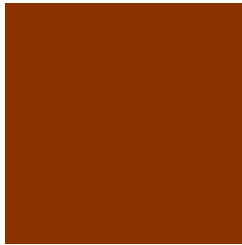
7.3720, 8.0144, 23.2041



0.0630, 0.0813, 0.1588

Previews

White Background



This preview shows how the XYZ color 11.8313, 7.8566, 0.8929 looks on a white background.

Color Contrast Check

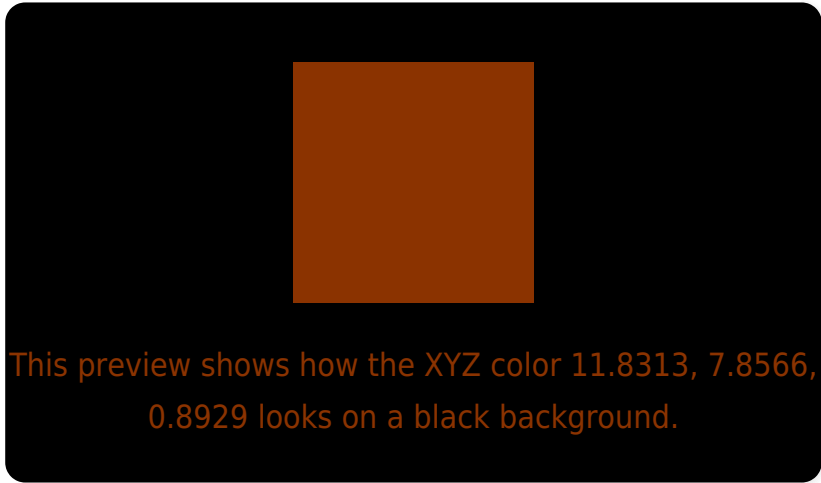
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8313, 7.8566, 0.8929

Background



This preview shows how black text looks on a background with the XYZ color 11.8313, 7.8566, 0.8929.



This preview shows how white text looks on a background with the XYZ color 11.8313, 7.8566,

0.8929.

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

11.8313, 7.8566, 0.8929

Protanopia

7.3361, 8.1407, 1.6001

Deuteranopia

7.9513, 7.9356, 1.1126



Tritanopia

12.4075, 7.8388, 3.8767

Trichromacy



Original Color

11.8313, 7.8566, 0.8929

Protanomaly

8.4238, 7.5882, 1.2791

Deuteranomaly

9.0774, 7.6591, 0.9999

Tritanomaly

12.1329, 7.7936, 2.2313

Monochromacy



Original Color

11.8313, 7.8566, 0.8929

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

7.1504, 6.3508, 3.4337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8313, 7.8566, 0.8929 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(139, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(139, 51, 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(139, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 51, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8313, 7.8566, 0.8929 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(139, 51, 0) }
```


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

```
.border{ border-color:rgb(139, 51, 0) }
```

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

Here you see how a box with a 4 pixel rgb(139, 51, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(139, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8313, 7.8566, 0.8929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 51, 0) }
```

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

```
.background{ background-color: rgb(139, 51,  
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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