

Converting Colors

XYZ(11.7455, 8.5095, 0.4693)

Have a look what the booklet for
XYZ(11.7455, 8.5095, 0.4693)
contains.

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Color

**XYZ(11.8221, 8.5717,
1.0314)**

Conversions

Conversions Part 1

Format	Color
Hex	883D00
RGB	136, 61, 0
RGB Percent	53%, 24%, 0%
CMY	0.4667, 0.7608, 1.0000
CMYK	0.00, 0.55, 1.00, 0.47
HSL	27°, 100%, 27%
HSV	27°, 100%, 53%
XYZ	11.8221, 8.5717, 1.0314
YIQ	76.4710, 64.2810, -3.0710

Conversions

Conversions Part 2

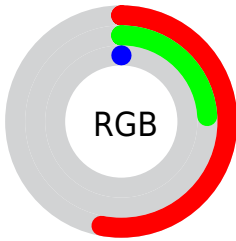
Format	Color
R_{YB}	136, 111, 0
Decimal	8928512
CIE Lab	35.15, 29.13, 45.87
CIE LCh	35, 54.334, 57.581
Yxy	8.5717, 0.5518, 0.4001
Android (android.graphics.Color)	4287118592 (0xFF883D00)
YUV	76.4710, -37.7002, 52.2069
Hunter-Lab	29.2775, 20.8419, 18.4055

Details

The XYZ color **11.8221, 8.5717, 1.0314** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **6.9598, 6.8093, 24.2400**, and the grayscale version is **7.0155, 7.3809, 8.0378**.

A 20% lighter version of the original color is **28.7014, 23.0019, 6.1759**, and **3.3684, 1.9501, 0.1989** is the 20% darker color. If you saturate the color by 10%, you get **11.8222, 8.5721, 1.0315**, and if you desaturate by 10%, it is **12.3276, 9.4603, 1.5777**.

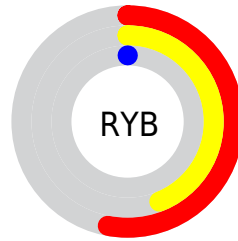
Distribution



Red (53%)

Green (24%)

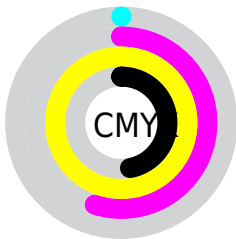
Blue (0%)



Red (53%)

Yellow (44%)

Blue (0%)

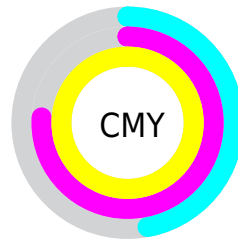


Cyan (0%)

Magenta (55%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (76%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.8221, 8.5717, 1.0314 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 11.8221, 8.5717, 1.0314 by changing the saturation by 10% instead.

■ 11.8221, 8.5717,
1.0314

■ 11.8221, 8.5717,
1.0314

■ 197.0180,
180.1498, 104.8345

■ 6.6940, 4.4629,
0.0000

■ 28.7904, 23.0718,
6.1653

■ 3.3161, 1.9357,
0.0000

■ 41.3612, 34.2319,
11.3196

■ 1.3230, 0.5697,
0.0000

■ 57.1437, 48.5112,
18.7567

■ 0.2004, 0.0000,
0.0000

■ 76.5032, 66.2941,
28.8952


■ 0.0000, 0.0000,
0.0000

■ 99.8050, 87.9651,
42.1537


■ 127.4145,


113.9084, 58.9507


 159.6971,
144.5085, 79.7048


 11.8221, 8.5717,
1.0314


 11.8221, 8.5717,
1.0314


 11.8222, 8.5721,
1.0315

 12.3276, 9.4603,
1.5777

 12.9382, 10.4837,
2.3908

 13.6820, 11.6567,
3.6086

 14.5700, 12.9870,
5.2785

 15.6116, 14.4813,
7.4415

■ 16.8154, 16.1459,
10.1336

■ 18.1893, 17.9867,
13.3877

■ 19.7405, 20.0092,
17.2338

■ 21.4758, 22.2187,
21.6998

Harmonies

Analogous

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



14.7377, 8.5717, 3.4076



11.8221, 8.5717, 1.0314



8.4041, 8.5717, 0.4413

Triad

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



11.8221, 8.5717, 1.0314



3.4890, 8.5717, 8.6236



11.2665, 8.5717, 34.4957

Complementary

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



11.8221, 8.5717, 1.0314



6.9598, 6.8093, 24.2400

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.



7.8955, 8.5717, 39.3575



11.8221, 8.5717, 1.0314



3.8893, 8.5717, 19.8159

Square

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



11.8221, 8.5717, 1.0314



4.0467, 8.5717, 2.8030



5.3256, 8.5717, 32.7839



14.3634, 8.5717, 21.9736

Rectangle

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



11.8221, 8.5717, 1.0314



6.4598, 8.5717, 0.6153



5.3256, 8.5717, 32.7839



10.1054, 8.5717, 37.3303

Sweetspot

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



11.8223, 8.5722, 1.0315



31.8878, 31.4768, 23.1881



11.4952, 5.7710, 7.5417



7.1726, 7.0073, 4.8611



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



11.8223, 8.5722, 1.0315



20.6836, 14.8052, 1.7675



17.7341, 20.3957, 3.0021



5.2055, 5.3939, 5.3192



11.1985, 8.1314, 0.9793



0.0887, 0.0826, 0.0113

Inverse Universe

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



6.9598, 6.8093, 24.2400



12.1087, 11.6869, 42.6660



4.5424, 1.9744, 23.4341



4.9883, 5.3195, 6.3697



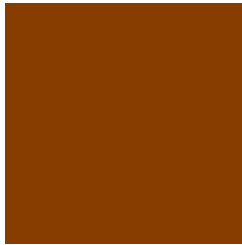
6.5966, 6.4635, 22.9456



0.0585, 0.0722, 0.1573

Previews

White Background



This preview shows how the XYZ color 11.8221, 8.5717, 1.0314 looks on a white background.

Color Contrast Check

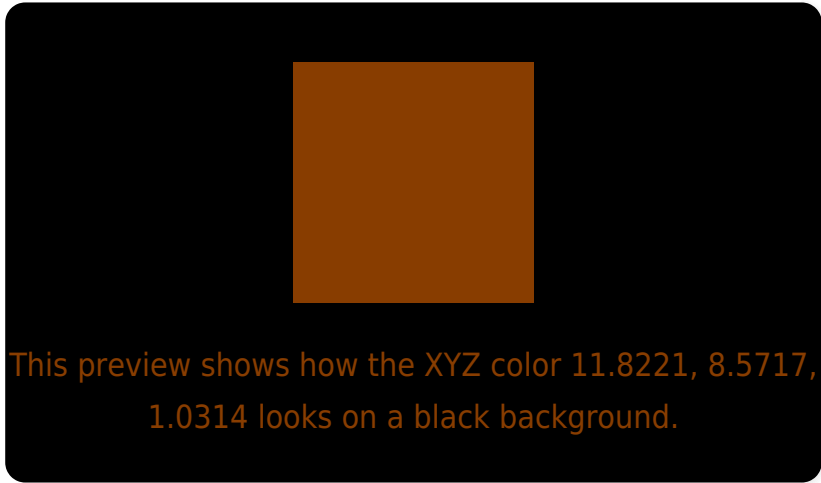
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.8221, 8.5717, 1.0314

Background



This preview shows how black text looks on a background with the XYZ color 11.8221, 8.5717, 1.0314.



This preview shows how white text looks on a background with the XYZ color 11.8221, 8.5717,

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

11.8221, 8.5717, 1.0314

Protanopia

7.8591, 8.7494, 1.6554

Deuteranopia

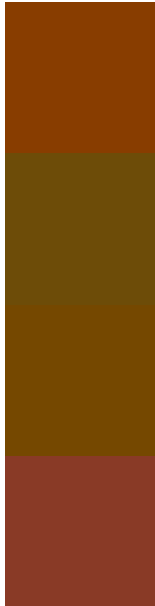
8.7398, 8.6561, 1.2102



Tritanopia

12.7600, 8.6558, 5.2732

Trichromacy



Original Color

11.8221, 8.5717, 1.0314

Protanomaly

8.9349, 8.4376, 1.3874

Deuteranomaly

9.6535, 8.4166, 1.1158

Tritanomaly

12.1794, 8.4844, 2.8295

Monochromacy



Original Color

11.8221, 8.5717, 1.0314

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

7.8237, 7.3165, 3.7962

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8221, 8.5717, 1.0314 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(136, 61, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 61, 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(136, 61, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 61, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.8221, 8.5717, 1.0314 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(136, 61, 0) }
```


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

```
.border{ border-color:rgb(136, 61, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 61, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 61, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 61, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 61, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.8221, 8.5717, 1.0314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 61, 0) }
```

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

```
.background{ background-color: rgb(136, 61,  
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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