

Converting Colors

XYZ(11.5287, 7.6737, 0.0000)

Have a look what the booklet for
XYZ(11.5287, 7.6737, 0.0000)
contains.

XYZ(11.6218, 7.6845, 0.8707)	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(11.6218, 7.6845,
0.8707)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3200
RGB	138, 50, 0
RGB Percent	54%, 20%, 0%
CMY	0.4588, 0.8039, 1.0000
CMYK	0.00, 0.64, 1.00, 0.46
HSL	22°, 100%, 27%
HSV	22°, 100%, 54%
XYZ	11.6218, 7.6845, 0.8707
YIQ	70.6120, 68.4980, 3.1060

Conversions

Conversions Part 2

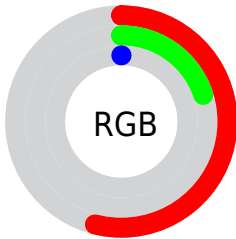
Format	Color
R_{YB}	138, 78, 0
Decimal	9056768
CIE _{Lab}	33.32, 35.60, 44.99
CIE _{LCh}	33, 57.368, 51.648
Yxy	7.6845, 0.5760, 0.3809
Android (android.graphics.Color)	4287246848 (0xFF8A3200)
YUV	70.6120, -34.8117, 59.0993
Hunter-Lab	27.7209, 26.3232, 17.5424

Details

The XYZ color **11.6218, 7.6845, 0.8707** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **8.0766, 8.8134, 25.3199**, and the grayscale version is **5.9728, 6.2839, 6.8431**.

A 20% lighter version of the original color is **28.4216, 21.3504, 5.6407**, and **3.3083, 1.7055, 0.1548** is the 20% darker color. If you saturate the color by 10%, you get **11.6219, 7.6849, 0.8708**, and if you desaturate by 10%, it is **12.1130, 8.5424, 1.4188**.

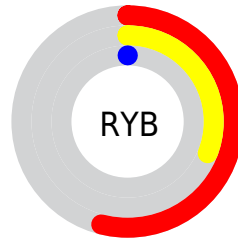
Distribution



Red (54%)

Green (20%)

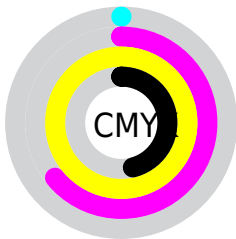
Blue (0%)



Red (54%)

Yellow (31%)

Blue (0%)

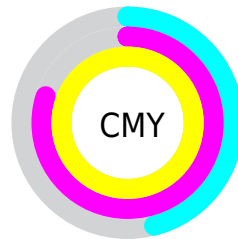


Cyan (0%)

Magenta (64%)

Yellow (100%)

Black (46%)



Cyan (46%)


Magenta (80%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 11.6218, 7.6845, 0.8707 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 11.6218, 7.6845, 0.8707 by changing the saturation by 10% instead.


 11.6218, 7.6845,
0.8707


 11.6218, 7.6845,
0.8707


 195.7067,
173.2360, 101.2497


 6.5571, 3.8937,
0.0000


 28.4273, 21.3376,
5.6330


 3.2305, 1.6143,
0.0000

 40.8987, 31.9687,
10.5170


 1.2768, 0.3672,
0.0000

 56.5698, 45.6487,
17.6286

 0.1658, 0.0000,
0.0000

 75.8058, 62.7620,
27.3864


 0.0000, 0.0000,
0.0000

 98.9721, 83.6930,
40.2088


 126.4341,


108.8260, 56.5145

 158.5572,
138.5456, 76.7219

 11.6218, 7.6845,
0.8707


 11.6218, 7.6845,
0.8707


 11.6219, 7.6849,
0.8708

 12.1130, 8.5424,
1.4188

 12.7293, 9.5718,
2.2504

 13.5007, 10.7909,
3.5059

 14.4401, 12.2101,
5.2354

 15.5582, 13.8388,
7.4814

■ 16.8653, 15.6859,
10.2820

■ 18.3705, 17.7595,
13.6715

■ 20.0822, 20.0673,
17.6813

■ 22.0085, 22.6169,
22.3407

Harmonies

Analogous

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



14.2942, 7.6845, 3.5455



11.6218, 7.6845, 0.8707



8.1969, 7.6845, 0.0478

Triad

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



11.6218, 7.6845, 0.8707



2.8764, 7.6845, 6.1404



9.7098, 7.6845, 36.0427

Complementary

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



11.6218, 7.6845, 0.8707



8.0766, 8.8134, 25.3199

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.



6.4782, 7.6845, 38.7970



11.6218, 7.6845, 0.8707



3.0710, 7.6845, 16.2988

Square

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



11.6218, 7.6845, 0.8707



3.5787, 7.6845, 1.6441



4.2148, 7.6845, 29.9147



12.9920, 7.6845, 23.8884

Rectangle

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



11.6218, 7.6845, 0.8707



6.1738, 7.6845, 0.0878



4.2148, 7.6845, 29.9147



8.5641, 7.6845, 38.3285

Sweetspot

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



11.6220, 7.6849, 0.8708



32.2006, 31.0577, 23.6829



12.3138, 6.1363, 10.1414



6.9989, 6.6600, 4.8032



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.



11.6220, 7.6849, 0.8708



20.3471, 13.2684, 1.4886



16.8773, 18.1957, 2.6226



5.1716, 5.3260, 5.3078



10.6688, 7.0720, 0.8027



0.0839, 0.0730, 0.0097

Inverse Universe

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



8.0766, 8.8134, 25.3199



14.0830, 15.2281, 44.5802



4.8501, 2.3604, 24.2444



5.0230, 5.3889, 6.3813



7.4193, 8.1089, 23.2198



0.0632, 0.0818, 0.1589

Previews

White Background



This preview shows how the XYZ color 11.6218, 7.6845, 0.8707 looks on a white background.

Color Contrast Check

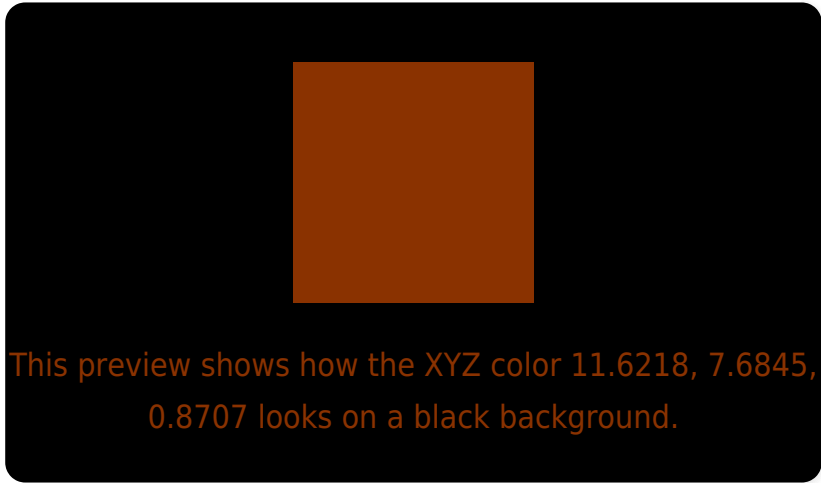
Large Text (above 18pt) WCAG AA ✓ Pass

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

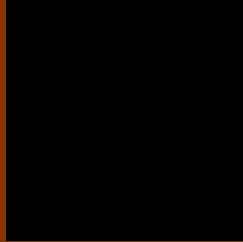
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.6218, 7.6845, 0.8707

Background



This preview shows how black text looks on a background with the XYZ color 11.6218, 7.6845, 0.8707.



This preview shows how white text looks on a background with the XYZ color 11.6218, 7.6845,

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

11.6218, 7.6845, 0.8707

Protanopia

7.1644, 7.9427, 1.5710

Deuteranopia

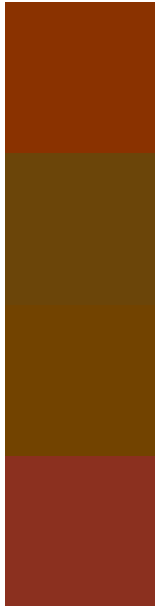
7.8400, 7.8782, 1.1074



Tritanopia

12.2184, 7.7437, 3.7564

Trichromacy



Original Color

11.6218, 7.6845, 0.8707

Protanomaly

8.2408, 7.4018, 1.2528

Deuteranomaly

8.9466, 7.5917, 0.9938

Tritanomaly

11.9517, 7.7018, 2.1530

Monochromacy



Original Color

11.6218, 7.6845, 0.8707

Achromatopsia

5.9891, 6.3010, 6.8618

Achromatomaly

6.9705, 6.1774, 3.3076

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6218, 7.6845, 0.8707 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(138, 50, 0)` looks like.

```
.text, #text, p{  
    color:rgb(138, 50, 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(138, 50, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 50, 0) }
```

Border

The CSS property to change the border of an element to XYZ 11.6218, 7.6845, 0.8707 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(138, 50, 0) }
```


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

```
.border{ border-color:rgb(138, 50, 0) }
```

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

Here you see how a box with a 4 pixel rgb(138, 50, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 50, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 50, 0);  
box-shadow:4px 4px 4px 4px rgb(138, 50, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6218, 7.6845, 0.8707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 50, 0) }
```

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

```
.background{ background-color: rgb(138, 50,  
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