

Converting Colors

XYZ(11.6420, 5.8619, 6.8619)

Have a look what the booklet for
XYZ(11.6420, 5.8619, 6.8619)
contains.

XYZ(11.6838, 5.8843, 6.8233)	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(11.6838, 5.8843,
6.8233)**

Conversions

Conversions Part 1

Format	Color
Hex	8A0049
RGB	138, 0, 73
RGB Percent	54%, 0%, 29%
CMY	0.4588, 0.9999, 0.7137
CMYK	0.00, 1.00, 0.47, 0.46
HSL	328°, 100%, 27%
HSV	328°, 100%, 54%
XYZ	11.6838, 5.8843, 6.8233
YIQ	49.5840, 58.8150, 51.9590

Conversions

Conversions Part 2

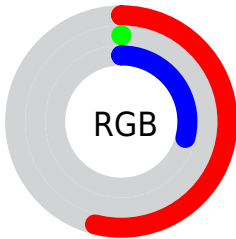
Format	Color
R_{YB}	138, 0, 73
Decimal	9044041
CIE Lab	29.12, 54.13, -1.65
CIE LCh	29, 54.158, 358.255
Yxy	5.8843, 0.4790, 0.2412
Android (android.graphics.Color)	4287234121 (0xFF8A0049)
YUV	49.5840, 11.5441, 77.5408
Hunter-Lab	24.2576, 43.5248, 0.3029

Details

The XYZ color **11.6838, 5.8843, 6.8233** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.0432, 18.5588, 8.0564**, and the grayscale version is **2.9684, 3.1230, 3.4010**.

A 20% lighter version of the original color is **28.4694, 17.6227, 19.9902**, and **3.7140, 1.8876, 1.3969** is the 20% darker color. If you saturate the color by 10%, you get **11.6835, 5.8842, 6.8220**, and if you desaturate by 10%, it is **12.0653, 6.2842, 8.0701**.

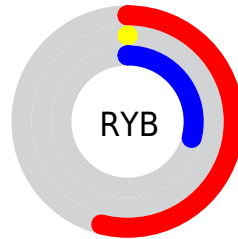
Distribution



Red (54%)

Green (0%)

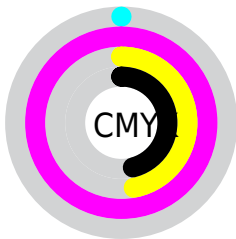
Blue (29%)



Red (54%)

Yellow (0%)

Blue (29%)

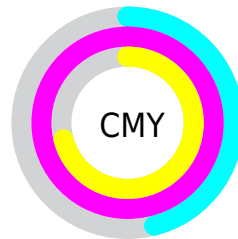


Cyan (0%)

Magenta (100%)

Yellow (47%)

Black (46%)



Cyan (46%)


Magenta (100%)


Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.6838, 5.8843, 6.8233 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 11.6838, 5.8843, 6.8233 by changing the saturation by 10% instead.


 11.6838, 5.8843,
6.8233


 11.6838, 5.8843,
6.8233


196.1135,
158.0418, 175.7621

 6.5994, 2.7749,
3.2751


 28.5398, 17.6906,
20.1236


 3.2570, 1.0154,
1.2367

 41.0421, 27.1562,
30.7128


 1.2911, 0.0000,
0.0091

 56.7477, 39.5094,
44.4860

 0.1765, 0.0000,
0.0000


 76.0220, 55.1345,
61.8619


 0.0000, 0.0000,
0.0000


 99.2304, 74.4159,
83.2589


 126.7383, 97.7380,


109.0956

 158.9108,
125.4852, 139.7905


 11.6838, 5.8843,
6.8233


 11.6838, 5.8843,
6.8233


 11.6835, 5.8842,
6.8220

 12.0653, 6.2842,
8.0701

 12.5672, 6.8876,
9.4715

 13.2424, 7.7996,
11.0483

 14.1099, 9.0571,
12.8097

 15.1861, 10.6918,
14.7641

■ 16.4853, 12.7317,
16.9191

■ 18.0206, 15.2020,
19.2819

■ 19.8042, 18.1260,
21.8589

■ 21.8471, 21.5253,
24.6566

Harmonies

Analogous

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



10.5816, 5.8843, 16.3417



11.6838, 5.8843, 6.8233



10.8008, 5.8843, 1.9307

Triad

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



11.6838, 5.8843, 6.8233



3.6597, 5.8843, 0.1747



3.4770, 5.8843, 25.8536

Complementary

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



11.6838, 5.8843, 6.8233



10.0432, 18.5588, 8.0564

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.



2.4041, 5.8843, 15.0589



11.6838, 5.8843, 6.8233



2.4861, 5.8843, 1.6304

Square

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



11.6838, 5.8843, 6.8233



5.7364, 5.8843, 0.0000



2.1019, 5.8843, 6.0080



5.4517, 5.8843, 31.2492

Rectangle

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



11.6838, 5.8843, 6.8233



9.3164, 5.8843, 0.6849



2.1019, 5.8843, 6.0080



3.0230, 5.8843, 22.4755

Sweetspot

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



11.6840, 5.8846, 6.8234



31.5748, 26.4878, 33.7044



6.7286, 2.9391, 24.2573



6.8528, 5.5703, 7.2128



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.



11.6840, 5.8846, 6.8234



20.5141, 10.3398, 11.6020



10.5066, 5.4137, 0.6237



5.1361, 5.0899, 5.8054



10.7196, 5.3980, 6.2939



0.0786, 0.0388, 0.0808

Inverse Universe

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



11.6840, 5.8846, 6.8234



20.5141, 10.3398, 11.6020



13.3500, 19.8815, 25.4695



5.1361, 5.0899, 5.8054



10.7196, 5.3980, 6.2939



0.0786, 0.0388, 0.0808

Previews

White Background



This preview shows how the XYZ color 11.6838, 5.8843, 6.8233 looks on a white background.

Color Contrast Check

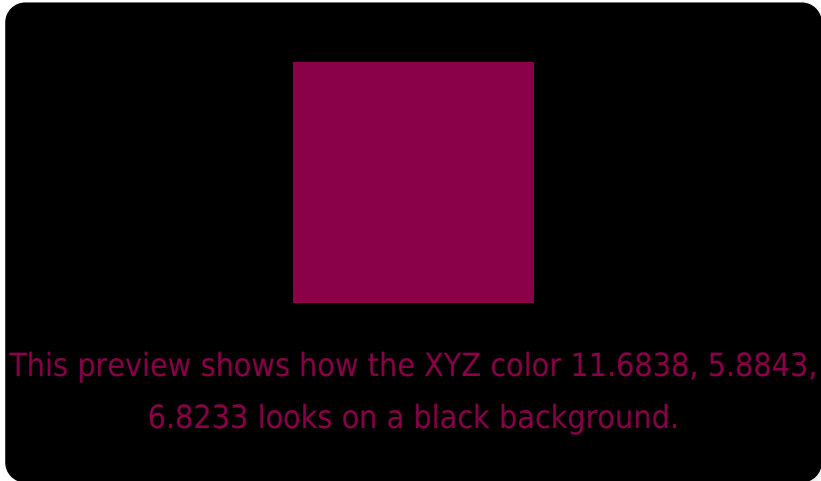
Large Text (above 18pt) WCAG AA ✓ Pass

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 11.6838, 5.8843, 6.8233

Background



This preview shows how black text looks on a background with the XYZ color 11.6838, 5.8843, 6.8233.



This preview shows how white text looks on a background with the XYZ color 11.6838, 5.8843,

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

11.6838, 5.8843, 6.8233

Protanopia

6.7275, 6.5185, 14.2682

Deuteranopia

6.5966, 6.5349, 6.2239



Tritanopia

10.8145, 6.2017, 1.7895

Trichromacy



Original Color

11.6838, 5.8843, 6.8233

Protanomaly

7.0340, 4.7909, 10.9099

Deuteranomaly

7.4921, 5.1312, 6.2258

Tritanomaly

11.0065, 5.9404, 3.0491

Monochromacy



Original Color

11.6838, 5.8843, 6.8233

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

4.7599, 3.1324, 4.3567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.6838, 5.8843, 6.8233 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, 0, 73)` looks like.

```
.text, #text, p{  
    color:rgb(138, 0, 73)  
}
```

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, 0, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 0, 73) }
```

Border

The CSS property to change the border of an element to XYZ 11.6838, 5.8843, 6.8233 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, 0, 73) }
```


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

```
.border{ border-color:rgb(138, 0, 73) }
```

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

Here you see how a box with a 4 pixel rgb(138, 0, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 0, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 0, 73);  
box-shadow:4px 4px 4px 4px rgb(138, 0, 73)  
}
```

Background

The CSS property to change the background color of an element to XYZ 11.6838, 5.8843, 6.8233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 0, 73) }
```

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

```
.background{ background-color: rgb(138, 0,  
73) }
```

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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