

Converting Colors

XYZ(12.2068, 7.6721, 5.0991)

Have a look what the booklet for
XYZ(12.2068, 7.6721, 5.0991)
contains.

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Color

**XYZ(12.2738, 7.6835,
5.1111)**

Conversions

Conversions Part 1

Format	Color
Hex	8A2E3C
RGB	138, 46, 60
RGB Percent	54%, 18%, 24%
CMY	0.4588, 0.8196, 0.7647
CMYK	0.00, 0.67, 0.57, 0.46
HSL	351°, 50%, 36%
HSV	351°, 67%, 54%
XYZ	12.2738, 7.6835, 5.1111
YIQ	75.1040, 50.3380, 23.8580

Conversions

Conversions Part 2

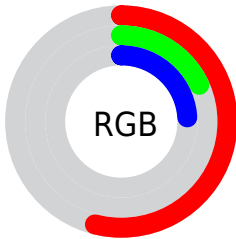
Format	Color
R _Y B	138, 46, 60
Decimal	9055804
CIE Lab	33.31, 40.16, 12.88
CIE LCh	33, 42.177, 17.780
Yxy	7.6835, 0.4896, 0.3065
Android (android.graphics.Color)	4287245884 (0xFF8A2E3C)
YUV	75.1040, -7.4463, 55.1598
Hunter-Lab	27.7191, 30.5299, 8.4710

Details

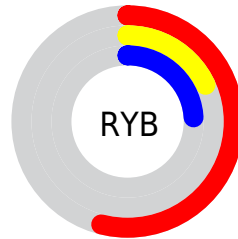
The XYZ color **12.2738, 7.6835, 5.1111** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **13.8538, 20.2132, 22.2419**, and the grayscale version is **6.7136, 7.0632, 7.6919**.

A 20% lighter version of the original color is **29.6935, 21.3467, 16.4652**, and **3.6765, 1.8827, 0.7419** is the 20% darker color. If you saturate the color by 10%, you get **11.5429, 6.6633, 3.5066**, and if you desaturate by 10%, it is **13.2468, 9.0786, 7.1340**.

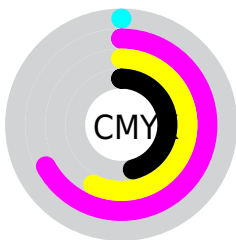
Distribution



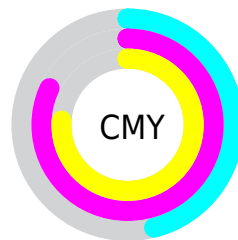
- Red (54%)
- Green (18%)
- Blue (24%)



- Red (54%)
- Yellow (18%)
- Blue (24%)



- Cyan (0%)
- Magenta (67%)
- Yellow (57%)
- Black (46%)




- Cyan (46%)
- Magenta (82%)
- Yellow (76%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.2738, 7.6835, 5.1111 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 12.2738, 7.6835, 5.1111 by changing the saturation by 10% instead.


 12.2738, 7.6835,
5.1111


 12.2738, 7.6835,
5.1111


199.9427,
173.2281, 159.8734


 7.0040, 3.8931,
2.2527


 29.6054, 21.3356,
16.5005


 3.5109, 1.6139,
0.7045

 42.3978, 31.9661,
25.8687


 1.4294, 0.3670,
0.0000

 58.4284, 45.6454,
38.2438

 0.2770, 0.0000,
0.0000

 78.0627, 62.7579,
54.0445

 0.0000, 0.0000,
0.0000

 101.6659, 83.6881,
73.6893

 129.6034,

108.8202, 97.5967

162.2405,
138.5387, 126.1852

■ 12.2738, 7.6835,
5.1111

■ 12.2738, 7.6835,
5.1111

■ 11.5429, 6.6633,
3.5066

■ 13.2468, 9.0786,
7.1340

■ 11.0318, 5.9802,
2.2903

■ 14.4806, 10.8791,
9.6018

■ 10.7055, 5.5730,
1.4254

■ 15.9925, 13.1136,
12.5391

■ 10.6164, 5.4573,
1.2029

■ 17.7983, 15.8080,
15.9688

■ 19.9126, 18.9860,
19.9120

■ 22.3488, 22.6698,
24.3888

■ 25.1198, 26.8801,
29.4182

■ 28.2377, 31.6365,
35.0180

■ 31.7139, 36.9576,
41.2056

Harmonies

Analogous

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



12.4287, 7.6835, 11.2876



12.2738, 7.6835, 5.1111



10.6309, 7.6835, 2.1183

Triad

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



12.2738, 7.6835, 5.1111



4.5335, 7.6835, 2.4788



6.4209, 7.6835, 27.3861

Complementary

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



12.2738, 7.6835, 5.1111



13.8538, 20.2132, 22.2419

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.



4.7539, 7.6835, 21.3878



12.2738, 7.6835, 5.1111



3.8250, 7.6835, 5.9978

Square

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



12.2738, 7.6835, 5.1111



6.0543, 7.6835, 1.2290



3.8963, 7.6835, 12.7727



8.7124, 7.6835, 26.7027

Rectangle

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



12.2738, 7.6835, 5.1111



9.0733, 7.6835, 1.3231



3.8963, 7.6835, 12.7727



5.7793, 7.6835, 25.9940

Sweetspot

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



12.2740, 7.6839, 5.1112



33.6311, 31.2546, 32.3730



13.6855, 7.9759, 24.8628



7.3409, 6.7060, 6.8836



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.



12.2740, 7.6839, 5.1112



19.8460, 11.0676, 5.0167



13.6053, 10.8623, 3.9649



5.0619, 5.0602, 5.4144



9.7376, 5.0052, 1.1227



0.0681, 0.0346, 0.0254

Inverse Universe

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



12.2740, 7.6839, 5.1112



19.8460, 11.0676, 5.0167



11.0071, 13.0013, 25.9739



5.0619, 5.0602, 5.4144



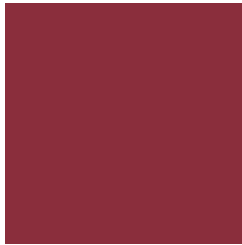
9.7376, 5.0052, 1.1227



0.0681, 0.0346, 0.0254

Previews

White Background



This preview shows how the XYZ color 12.2738, 7.6835, 5.1111 looks on a white background.

Color Contrast Check

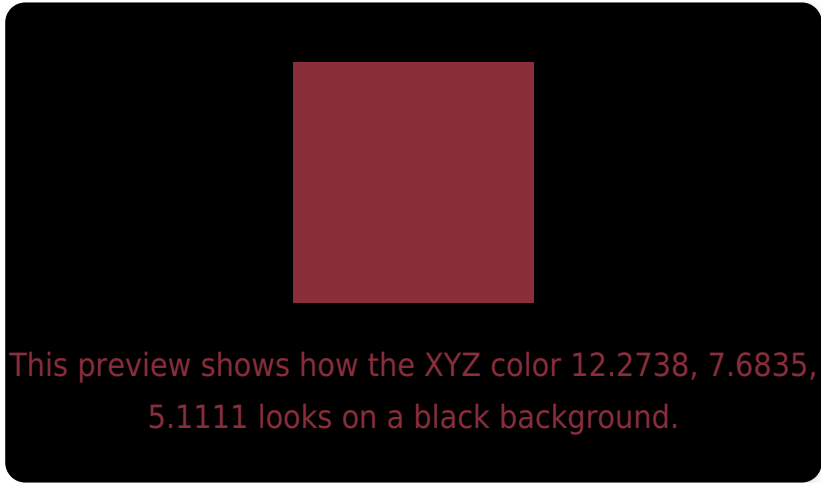
Large Text (above 18pt) WCAG AA ✓ Pass

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

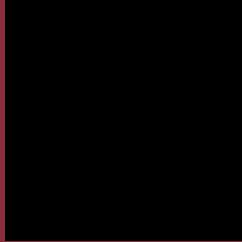
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2738, 7.6835, 5.1111

Background



This preview shows how black text looks on a background with the XYZ color 12.2738, 7.6835, 5.1111.



This preview shows how white text looks on a background with the XYZ color 12.2738, 7.6835,

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

12.2738, 7.6835, 5.1111

Protanopia

7.5802, 7.9076, 7.9643

Deuteranopia

8.0176, 7.8873, 4.8412



Tritanopia

11.9492, 7.6626, 3.8668

Trichromacy



Original Color

12.2738, 7.6835, 5.1111

Protanomaly

8.5921, 7.2813, 6.7469

Deuteranomaly

9.1844, 7.4555, 4.8259

Tritanomaly

11.9989, 7.6177, 4.3280

Monochromacy



Original Color

12.2738, 7.6835, 5.1111

Achromatopsia

6.6877, 7.0360, 7.6622

Achromatomaly

7.9759, 6.7057, 6.6683

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2738, 7.6835, 5.1111 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, 46, 60)` looks like.

```
.text, #text, p{  
    color:rgb(138, 46, 60)  
}
```

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, 46, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 46, 60) }
```

Border

The CSS property to change the border of an element to XYZ 12.2738, 7.6835, 5.1111 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, 46, 60) }
```


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

```
.border{ border-color:rgb(138, 46, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 46, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 46, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 46, 60);  
box-shadow:4px 4px 4px 4px rgb(138, 46,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2738, 7.6835, 5.1111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 46, 60) }
```

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

```
.background{ background-color: rgb(138, 46,  
60) }
```

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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