

Converting Colors

XYZ(12.2665, 8.6136, 10.2396)

Have a look what the booklet for
XYZ(12.2665, 8.6136, 10.2396)
contains.

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Color

**XYZ(12.3323, 8.6313,
10.2485)**

Conversions

Conversions Part 1

Format	Color
Hex	803D58
RGB	128, 61, 88
RGB Percent	50%, 24%, 35%
CMY	0.4980, 0.7608, 0.6549
CMYK	0.00, 0.52, 0.31, 0.50
HSL	336°, 35%, 37%
HSV	336°, 52%, 50%
XYZ	12.3323, 8.6313, 10.2485
YIQ	84.1110, 31.2650, 22.6010

Conversions

Conversions Part 2

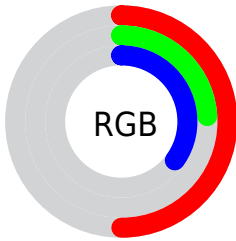
Format	Color
RYB	128, 61, 88
Decimal	8404312
CIELab	35.26, 32.16, -2.59
CIELCh	35, 32.263, 355.396
Yxy	8.6313, 0.3951, 0.2765
Android (android.graphics.Color)	4286594392 (0xFF803D58)
YUV	84.1110, 1.9173, 38.4907
Hunter-Lab	29.3791, 23.5146, -0.1172

Details

The XYZ color **12.3323, 8.6313, 10.2485** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.9931, 17.3703, 15.0337**, and the grayscale version is **8.4417, 8.8813, 9.6718**.

A 20% lighter version of the original color is **29.8003, 23.2711, 26.9659**, and **3.5362, 1.9503, 2.4756** is the 20% darker color. If you saturate the color by 10%, you get **11.4287, 7.3043, 8.4665**, and if you desaturate by 10%, it is **13.4327, 10.2986, 12.2601**.

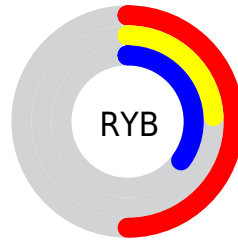
Distribution



Red (50%)

Green (24%)

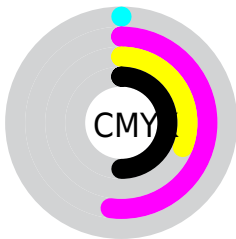
Blue (35%)



Red (50%)

Yellow (24%)

Blue (35%)

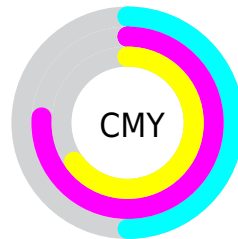


Cyan (0%)

Magenta (52%)

Yellow (31%)

Black (50%)



Cyan (50%)


Magenta (76%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3323, 8.6313, 10.2485 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 12.3323, 8.6313, 10.2485 by changing the saturation by 10% instead.


 12.3323, 8.6313,
10.2485


 12.3323, 8.6313,
10.2485


200.3183,
180.6031, 202.9854


 7.0442, 4.5015,
5.4563


 29.7105, 23.1871,
26.8770


 3.5363, 1.9579,
2.4540

 42.5314, 34.3818,
39.5503


 1.4433, 0.5828,
0.8156

 58.5939, 48.7003,
55.6877

 0.2868, 0.0000,
0.0000

 78.2633, 66.5270,
75.7078

 0.0000, 0.0000,
0.0000

 101.9052, 88.2462,
100.0290

 129.8847,

114.2423, 129.0700

162.5673,
144.8998, 163.2493

■ 12.3323, 8.6313,
10.2485

■ 12.3323, 8.6313,
10.2485

■ 11.4287, 7.3043,
8.4665

■ 13.4327, 10.2986,
12.2601

■ 10.7083, 6.2925,
6.9042

■ 14.7409, 12.3267,
14.5094

■ 10.1570, 5.5689,
5.5518

■ 16.2676, 14.7358,
17.0048

■ 9.7579, 5.1018,
4.3980

■ 18.0228, 17.5443,
19.7539

■ 9.5125, 4.8334,
3.6307

■ 20.0158, 20.7694,
22.7642

■ 22.2554, 24.4272,
26.0428

■ 24.7499, 28.5332,
29.5962

■ 27.5071, 33.1018,
33.4312

■ 30.5346, 38.1469,
37.5539

Harmonies

Analogous

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



11.5313, 8.6313, 16.5378



12.3323, 8.6313, 10.2485



11.8970, 8.6313, 5.6392

Triad

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



12.3323, 8.6313, 10.2485



6.7571, 8.6313, 2.8297



6.3276, 8.6313, 20.6690

Complementary

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



12.3323, 8.6313, 10.2485



11.9931, 17.3703, 15.0337

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.



5.3669, 8.6313, 14.5388



12.3323, 8.6313, 10.2485



5.5872, 8.6313, 4.6813

Square

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



12.3323, 8.6313, 10.2485



8.4956, 8.6313, 2.4195



5.1179, 8.6313, 8.5959



7.9187, 8.6313, 23.8415

Rectangle

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



12.3323, 8.6313, 10.2485



10.9947, 8.6313, 3.8100



5.1179, 8.6313, 8.5959



5.9303, 8.6313, 18.7947

Sweetspot

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



12.3325, 8.6317, 10.2487



30.4378, 28.8112, 32.7757



10.8302, 7.6106, 21.3203



7.0030, 6.5481, 7.4806



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



12.3325, 8.6317, 10.2487



19.8283, 12.4400, 14.2948



11.7272, 8.8916, 5.5136



4.3940, 4.3707, 4.8792



9.4329, 4.7929, 3.6036



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.3325, 8.6317, 10.2487



19.8283, 12.4400, 14.2948



12.8319, 16.5725, 22.9446



4.3940, 4.3707, 4.8792



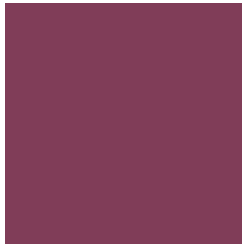
9.4329, 4.7929, 3.6036



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.3323, 8.6313, 10.2485 looks on a white background.

Color Contrast Check

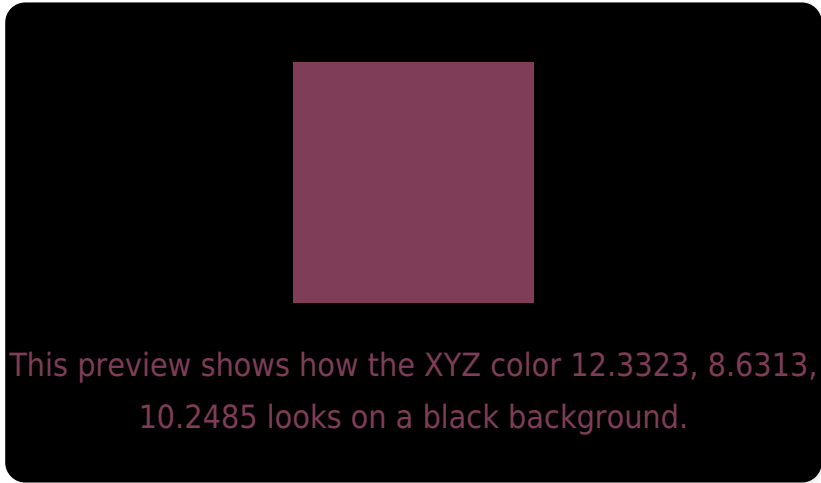
Large Text (above 18pt) WCAG AA ✓ Pass

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

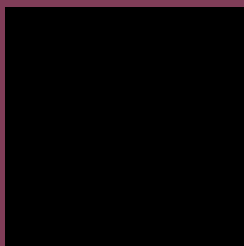
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3323, 8.6313, 10.2485

Background



This preview shows how black text looks on a background with the XYZ color 12.3323, 8.6313, 10.2485.



This preview shows how white text looks on a background with the XYZ color 12.3323, 8.6313,

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

12.3323, 8.6313, 10.2485

Protanopia

8.7160, 8.8081, 13.8111

Deuteranopia

8.8965, 8.7649, 9.8172



Tritanopia

11.5687, 8.6459, 6.6893

Trichromacy



Original Color

12.3323, 8.6313, 10.2485

Protanomaly

9.6035, 8.4366, 12.4315

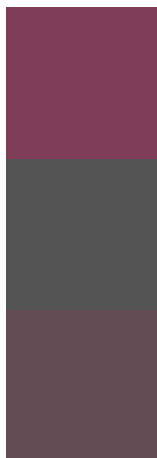
Deuteranomaly

9.8374, 8.5125, 9.9287

Tritanomaly

11.8903, 8.7006, 7.8902

Monochromacy



Original Color

12.3323, 8.6313, 10.2485

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.4797, 8.5341, 9.7419

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3323, 8.6313, 10.2485 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(128, 61, 88)` looks like.

```
.text, #text, p{  
    color:rgb(128, 61, 88)  
}
```

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(128, 61, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 61, 88) }
```

Border

The CSS property to change the border of an element to XYZ 12.3323, 8.6313, 10.2485 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(128, 61, 88) }
```


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

```
.border{ border-color:rgb(128, 61, 88) }
```

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

Here you see how a box with a 4 pixel rgb(128, 61, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 61, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 61, 88);  
box-shadow:4px 4px 4px 4px rgb(128, 61,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3323, 8.6313, 10.2485 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 61, 88) }
```

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

```
.background{ background-color: rgb(128, 61,  
88) }
```

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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