

Converting Colors

XYZ(13.7907, 8.6129, 12.3045)

Have a look what the booklet for
XYZ(13.7907, 8.6129, 12.3045)
contains.

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Color

**XYZ(13.8227, 8.6340,
12.2472)**

Conversions

Conversions Part 1

Format	Color
Hex	8A3361
RGB	138, 51, 97
RGB Percent	54%, 20%, 38%
CMY	0.4588, 0.8000, 0.6196
CMYK	0.00, 0.63, 0.30, 0.46
HSL	328°, 46%, 37%
HSV	328°, 63%, 54%
XYZ	13.8227, 8.6340, 12.2472
YIQ	82.2570, 37.0860, 32.7500

Conversions

Conversions Part 2

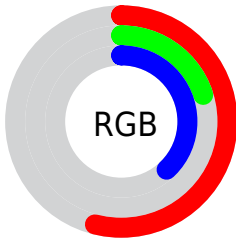
Format	Color
R_{YB}	138, 51, 97
Decimal	9057121
CIE Lab	35.27, 41.95, -8.15
CIE LCh	35, 42.732, 349.009
Yxy	8.6340, 0.3983, 0.2488
Android (android.graphics.Color)	4287247201 (0xFF8A3361)
YUV	82.2570, 7.2683, 48.8866
Hunter-Lab	29.3837, 32.5488, -4.1437

Details

The XYZ color **13.8227, 8.6340, 12.2472** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.3860, 19.6537, 13.2671**, and the grayscale version is **8.0527, 8.4720, 9.2261**.

A 20% lighter version of the original color is **32.3448, 23.1102, 30.7729**, and **4.2537, 2.1238, 3.3177** is the 20% darker color. If you saturate the color by 10%, you get **13.0159, 7.4859, 10.5429**, and if you desaturate by 10%, it is **14.8339, 10.1510, 14.1425**.

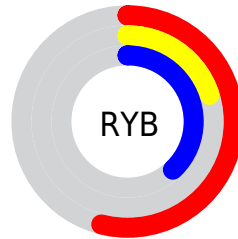
Distribution



Red (54%)

Green (20%)

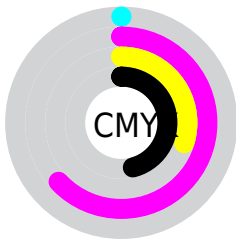
Blue (38%)



Red (54%)

Yellow (20%)

Blue (38%)

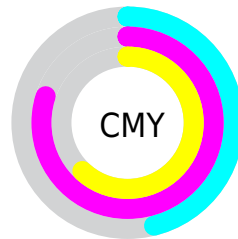


Cyan (0%)

Magenta (63%)

Yellow (30%)

Black (46%)



Cyan (46%)

Magenta (80%)

Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8227, 8.6340, 12.2472 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 13.8227, 8.6340, 12.2472 by changing the saturation by 10% instead.


 13.8227, 8.6340,
12.2472


 13.8227, 8.6340,
12.2472


209.6578,
180.6236, 217.0707


 8.0783, 4.5032,
6.7877


 32.3630, 23.1923,
30.6156


 4.1973, 1.9589,
3.2532

 45.8896, 34.3886,
44.3616

 1.8144, 0.5834,
1.2254

 62.7411, 48.7089,
61.7069

 0.5263, 0.0000,
0.0000

 83.2827, 66.5375,
83.0699

 0.0000, 0.0000,
0.0000

 107.8798, 88.2589,
108.8693

 136.8978,

114.2574, 139.5235

170.7020,
144.9175, 175.4511

■ 13.8227, 8.6340,
12.2472

■ 13.8227, 8.6340,
12.2472

■ 13.0159, 7.4859,
10.5429

■ 14.8339, 10.1510,
14.1425

■ 12.3957, 6.6723,
9.0205

■ 16.0637, 12.0644,
16.2361

■ 11.9424, 6.1545,
7.6705

■ 17.5258, 14.4008,
18.5354

■ 11.6826, 5.8838,
6.8167

■ 19.2325, 17.1841,
21.0471

■ 21.1954, 20.4363,
23.7778

■ 23.4250, 24.1779,
26.7333

■ 25.9314, 28.4283,
29.9195

■ 28.7243, 33.2057,
33.3420

■ 31.8125, 38.5277,
37.0061

Harmonies

Analogous

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



12.3496, 8.6340, 21.4792



13.8227, 8.6340, 12.2472



13.5802, 8.6340, 5.6228

Triad

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



13.8227, 8.6340, 12.2472



6.7514, 8.6340, 1.5047



5.4631, 8.6340, 23.9035

Complementary

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



13.8227, 8.6340, 12.2472



12.3860, 19.6537, 13.2671

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.



4.4782, 8.6340, 14.5776



13.8227, 8.6340, 12.2472



5.1120, 8.6340, 2.9941

Square

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



13.8227, 8.6340, 12.2472



9.1478, 8.6340, 1.3639



4.3641, 8.6340, 7.0338



7.3318, 8.6340, 30.1403

Rectangle

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



13.8227, 8.6340, 12.2472



12.4891, 8.6340, 3.1657



4.3641, 8.6340, 7.0338



5.0352, 8.6340, 20.8586

Sweetspot

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



13.8230, 8.6344, 12.2474



35.1047, 32.2755, 38.8031



10.1455, 6.4580, 24.7565



7.6873, 6.9314, 8.4402



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.



13.8230, 8.6344, 12.2474



22.4026, 12.4682, 17.3145



12.3289, 8.0368, 4.3798



5.1361, 5.0899, 5.8052



10.7187, 5.3976, 6.2890



0.0786, 0.0388, 0.0808

Inverse Universe

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



13.8230, 8.6344, 12.2474



22.4026, 12.4682, 17.3145



14.8342, 20.6330, 26.1594



5.1361, 5.0899, 5.8052



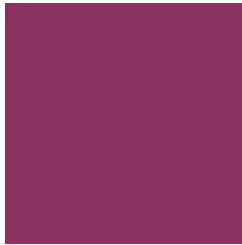
10.7187, 5.3976, 6.2890



0.0786, 0.0388, 0.0808

Previews

White Background



This preview shows how the XYZ color 13.8227, 8.6340, 12.2472 looks on a white background.

Color Contrast Check

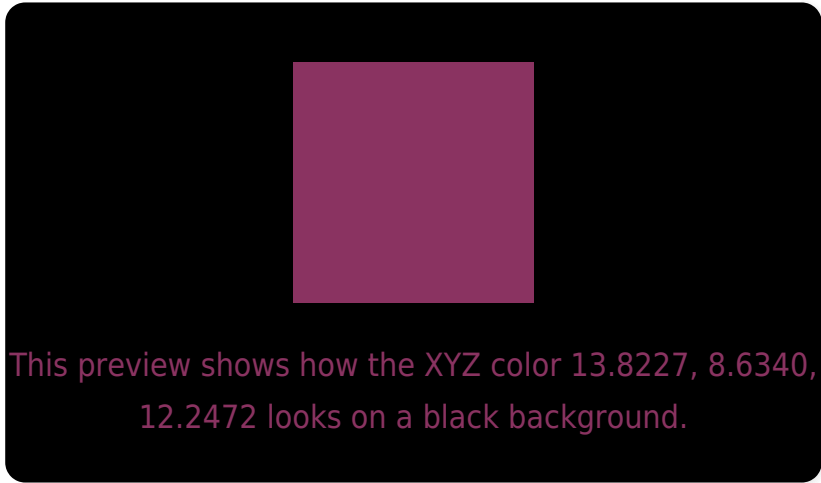
Large Text (above 18pt) WCAG AA ✓ Pass

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

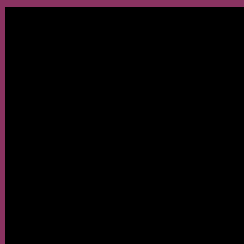
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.8227, 8.6340, 12.2472

Background



This preview shows how black text looks on a background with the XYZ color 13.8227, 8.6340, 12.2472.



This preview shows how white text looks on a background with the XYZ color 13.8227, 8.6340,

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

13.8227, 8.6340, 12.2472

Protanopia

9.0955, 8.8961, 18.6905

Deuteranopia

8.9736, 8.8820, 11.3667



Tritanopia

12.4528, 8.6377, 5.7135

Trichromacy



Original Color

13.8227, 8.6340, 12.2472

Protanomaly

9.9464, 8.1410, 16.0861

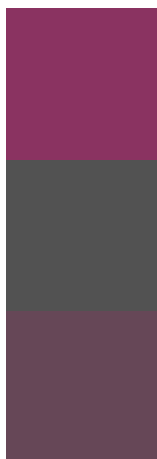
Deuteranomaly

10.2175, 8.3788, 11.6684

Tritanomaly

12.8375, 8.5706, 7.6343

Monochromacy



Original Color

13.8227, 8.6340, 12.2472

Achromatopsia

8.0200, 8.4376, 9.1886

Achromatomaly

9.4530, 8.0194, 10.0665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8227, 8.6340, 12.2472 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, 51, 97)` looks like.

```
.text, #text, p{  
    color:rgb(138, 51, 97)  
}
```

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, 51, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 51, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.8227, 8.6340, 12.2472 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, 51, 97) }
```


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

```
.border{ border-color:rgb(138, 51, 97) }
```

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

Here you see how a box with a 4 pixel rgb(138, 51, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 51, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 51, 97);  
box-shadow:4px 4px 4px 4px rgb(138, 51,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8227, 8.6340, 12.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 51, 97) }
```

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

```
.background{ background-color: rgb(138, 51,  
97) }
```

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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