

Converting Colors

XYZ(13.2487, 8.6839, 12.3079)

Have a look what the booklet for
XYZ(13.2487, 8.6839, 12.3079)
contains.

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Color

**XYZ(13.2447, 8.6780,
12.2862)**

Conversions

Conversions Part 1

Format	Color
Hex	853861
RGB	133, 56, 97
RGB Percent	52%, 22%, 38%
CMY	0.4784, 0.7804, 0.6196
CMYK	0.00, 0.58, 0.27, 0.48
HSL	328°, 41%, 37%
HSV	328°, 58%, 52%
XYZ	13.2447, 8.6780, 12.2862
YIQ	83.6970, 32.7310, 29.0750

Conversions

Conversions Part 2

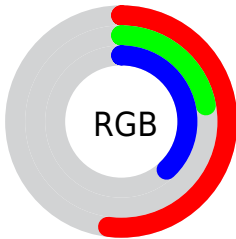
Format	Color
R_{YB}	133, 56, 97
Decimal	8730721
CIE Lab	35.36, 37.86, -8.10
CIE LCh	35, 38.713, 347.923
Yxy	8.6780, 0.3872, 0.2537
Android (android.graphics.Color)	4286920801 (0xFF853861)
YUV	83.6970, 6.5584, 43.2387
Hunter-Lab	29.4584, 28.7024, -4.1071

Details

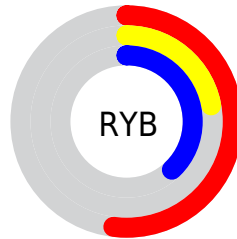
The XYZ color **13.2447, 8.6780, 12.2862** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **11.9506, 18.3887, 13.0458**, and the grayscale version is **8.3471, 8.7818, 9.5633**.

A 20% lighter version of the original color is **31.3420, 23.3449, 30.8711**, and **3.9167, 1.9662, 3.3051** is the 20% darker color. If you saturate the color by 10%, you get **12.4050, 7.4445, 10.6314**, and if you desaturate by 10%, it is **14.2790, 10.2641, 14.1182**.

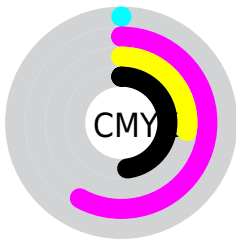
Distribution



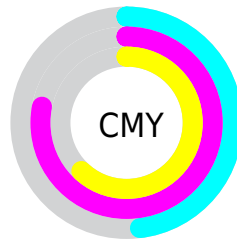
- Red (52%)
- Green (22%)
- Blue (38%)



- Red (52%)
- Yellow (22%)
- Blue (38%)



- Cyan (0%)
- Magenta (58%)
- Yellow (27%)
- Black (48%)



- Cyan (48%)
- Magenta (78%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.2447, 8.6780, 12.2862 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 13.2447, 8.6780, 12.2862 by changing the saturation by 10% instead.


 13.2447, 8.6780,
12.2862

 13.2447, 8.6780,
12.2862


206.0861,
180.9573, 217.3356


 7.6754, 4.5318,
6.8140


 31.3403, 23.2773,
30.6875


 3.9380, 1.9752,
3.2694

 44.5973, 34.4991,
44.4536


 1.6671, 0.5930,
1.2338

 61.1476, 48.8482,
61.8215

 0.4356, 0.0000,
0.0066

 81.3566, 66.7090,
83.2096

 0.0000, 0.0000,
0.0000

 105.5896, 88.4659,
109.0365

 134.2119,

114.5034, 139.7208

167.5890,
145.2057, 175.6810

■ 13.2447, 8.6780,
12.2862

■ 13.2447, 8.6780,
12.2862

■ 12.4050, 7.4445,
10.6314

■ 14.2790, 10.2641,
14.1182

■ 11.7446, 6.5342,
9.1459

■ 15.5199, 12.2263,
16.1337

■ 11.2473, 5.9153,
7.8217

■ 16.9795, 14.5879,
18.3391

■ 10.8771, 5.5170,
6.6441

■ 18.6685, 17.3696,
20.7403

■ 10.8043, 5.4391,
6.4105

■ 20.5970, 20.5909,
23.3430

■ 22.7744, 24.2699,
26.1525

■ 25.2097, 28.4237,
29.1739

■ 27.9114, 33.0688,
32.4122

■ 30.8874, 38.2204,
35.8720

Harmonies

Analogous

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



11.8952, 8.6780, 20.4248



13.2447, 8.6780, 12.2862



13.0887, 8.6780, 6.1250

Triad

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



13.2447, 8.6780, 12.2862



6.9868, 8.6780, 1.8821



5.6749, 8.6780, 21.9559

Complementary

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



13.2447, 8.6780, 12.2862



11.9506, 18.3887, 13.0458

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.



4.7779, 8.6780, 13.7990



13.2447, 8.6780, 12.2862



5.4351, 8.6780, 3.3394

Square

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



13.2447, 8.6780, 12.2862



9.1871, 8.6780, 1.7727



4.6990, 8.6780, 7.0859



7.3755, 8.6780, 27.4875

Rectangle

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



13.2447, 8.6780, 12.2862



12.1543, 8.6780, 3.6953



4.6990, 8.6780, 7.0859



5.2839, 8.6780, 19.2960

Sweetspot

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



13.2450, 8.6784, 12.2864



33.5954, 31.3775, 37.3683



10.0553, 6.7943, 22.9718



7.4494, 6.8711, 8.2532



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



13.2450, 8.6784, 12.2864



21.8678, 12.8406, 18.2973



11.8656, 8.1267, 5.0228



4.7685, 4.7271, 5.3931



10.2954, 5.1825, 6.1277



0.0394, 0.0194, 0.0407

Inverse Universe

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



13.2450, 8.6784, 12.2864



21.8678, 12.8406, 18.2973



14.0771, 19.2393, 24.2436



4.7685, 4.7271, 5.3931



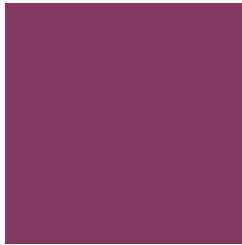
10.2954, 5.1825, 6.1277



0.0394, 0.0194, 0.0407

Previews

White Background



This preview shows how the XYZ color 13.2447, 8.6780, 12.2862 looks on a white background.

Color Contrast Check

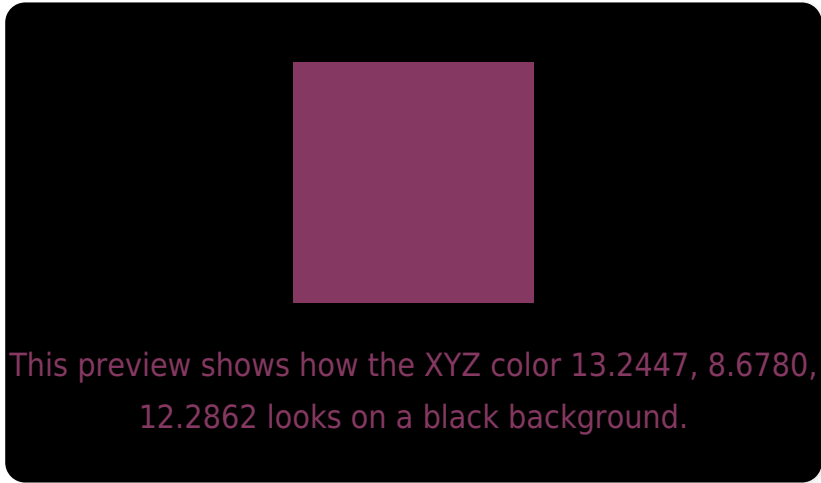
Large Text (above 18pt) WCAG AA ✓ Pass

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

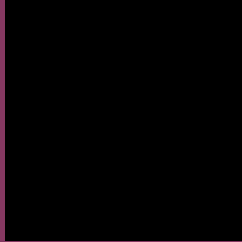
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.2447, 8.6780, 12.2862

Background



This preview shows how black text looks on a background with the XYZ color 13.2447, 8.6780, 12.2862.



This preview shows how white text looks on a background with the XYZ color 13.2447, 8.6780,

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

13.2447, 8.6780, 12.2862

Protanopia

9.0697, 8.9033, 17.7635

Deuteranopia

9.0176, 8.8996, 11.5984



Tritanopia

11.9965, 8.7061, 6.3583

Trichromacy



Original Color

13.2447, 8.6780, 12.2862

Protanomaly

9.8622, 8.3021, 15.5507

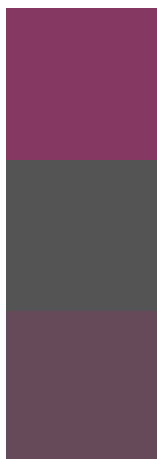
Deuteranomaly

10.1118, 8.5163, 11.7005

Tritanomaly

12.3511, 8.6071, 8.2181

Monochromacy



Original Color

13.2447, 8.6780, 12.2862

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

9.7314, 8.4436, 10.5681

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2447, 8.6780, 12.2862 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(133, 56, 97)` looks like.

```
.text, #text, p{  
    color:rgb(133, 56, 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(133, 56, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 56, 97) }
```

Border

The CSS property to change the border of an element to XYZ 13.2447, 8.6780, 12.2862 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(133, 56, 97) }
```


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

```
.border{ border-color:rgb(133, 56, 97) }
```

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

Here you see how a box with a 4 pixel rgb(133, 56, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 56, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 56, 97);  
box-shadow:4px 4px 4px 4px rgb(133, 56,  
97) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2447, 8.6780, 12.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 56, 97) }
```

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

```
.background{ background-color: rgb(133, 56,  
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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