

Converting Colors

XYZ(12.3082, 7.6407, 7.8473)

Have a look what the booklet for
XYZ(12.3082, 7.6407, 7.8473)
contains.

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Color

**XYZ(12.3082, 7.6407,
7.8473)**

Conversions

Conversions Part 1

Format	Color
Hex	872E4D
RGB	135, 46, 77
RGB Percent	53%, 18%, 30%
CMY	0.4706, 0.8196, 0.6980
CMYK	0.00, 0.66, 0.43, 0.47
HSL	339°, 49%, 35%
HSV	339°, 66%, 53%
XYZ	12.3082, 7.6407, 7.8473
YIQ	76.1450, 43.0930, 28.5090

Conversions

Conversions Part 2

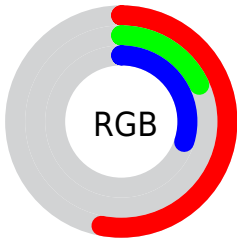
Format	Color
R_{YB}	135, 46, 77
Decimal	8859213
CIE _{Lab}	33.22, 40.79, 1.64
CIE _{LCh}	33, 40.826, 2.298
Yxy	7.6407, 0.4428, 0.2749
Android (android.graphics.Color)	4287049293 (0xFF872E4D)
YUV	76.1450, 0.4215, 51.6158
Hunter-Lab	27.6418, 31.1083, 2.5173

Details

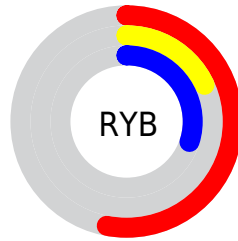
The XYZ color **12.3082, 7.6407, 7.8473** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **12.2898, 18.9084, 16.0999**, and the grayscale version is **6.8902, 7.2490, 7.8942**.

A 20% lighter version of the original color is **29.5264, 21.1321, 22.2614**, and **3.6679, 1.8591, 1.6044** is the 20% darker color. If you saturate the color by 10%, you get **11.5714, 6.6312, 6.1713**, and if you desaturate by 10%, it is **13.2533, 8.9996, 9.8002**.

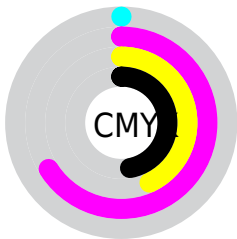
Distribution



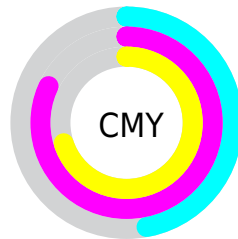
- Red (53%)
- Green (18%)
- Blue (30%)



- Red (53%)
- Yellow (18%)
- Blue (30%)



- Cyan (0%)
- Magenta (66%)
- Yellow (43%)
- Black (47%)




- Cyan (47%)
- Magenta (82%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.3082, 7.6407, 7.8473 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 12.3082, 7.6407, 7.8473 by changing the saturation by 10% instead.


 12.3082, 7.6407,
7.8473


 12.3082, 7.6407,
7.8473


200.1636,
172.8861, 184.4190

 7.0276, 3.8659,
3.9110


 29.6672, 21.2510,
22.1998


 3.5259, 1.5988,
1.5767

 42.4764, 31.8553,
33.4530


 1.4376, 0.3568,
0.2741

 58.5257, 45.5049,
47.9823

 0.2828, 0.0000,
0.0000

 78.1807, 62.5842,
66.2063

 0.0000, 0.0000,
0.0000

 101.8066, 83.4775,
88.5434

 129.7689,

108.5694, 115.4122

162.4327,
138.2441, 147.2312

■ 12.3082, 7.6407,
7.8473

■ 12.3082, 7.6407,
7.8473

■ 11.5714, 6.6312,
6.1713

■ 13.2533, 8.9996,
9.8002

■ 11.0245, 5.9368,
4.7577

■ 14.4218, 10.7356,
12.0427

■ 10.6403, 5.5059,
3.5886

■ 15.8280, 12.8746,
14.5870

■ 10.5051, 5.3563,
3.1714

■ 17.4847, 15.4404,
17.4444

■ 19.4039, 18.4544,
20.6258

■ 21.5968, 21.9370,
24.1411

■ 24.0738, 25.9071,
28.0002

■ 26.8449, 30.3825,
32.2123

■ 29.9194, 35.3803,
36.7864

Harmonies

Analogous

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



11.6423, 7.6407, 15.2422



12.3082, 7.6407, 7.8473



11.4136, 7.6407, 3.4119

Triad

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



12.3082, 7.6407, 7.8473



5.2447, 7.6407, 1.7381



5.4825, 7.6407, 24.1200

Complementary

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



12.3082, 7.6407, 7.8473



12.2898, 18.9084, 16.0999

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.



4.2637, 7.6407, 16.5249



12.3082, 7.6407, 7.8473



4.1470, 7.6407, 3.8931

Square

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



12.3082, 7.6407, 7.8473



7.0955, 7.6407, 1.1652



3.8271, 7.6407, 8.8101



7.4316, 7.6407, 27.0066

Rectangle

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



12.3082, 7.6407, 7.8473



10.1396, 7.6407, 1.9769



3.8271, 7.6407, 8.8101



4.9883, 7.6407, 21.8932

Sweetspot

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



12.3084, 7.6411, 7.8474



33.1338, 30.5038, 34.2854



11.0421, 6.6379, 23.6208



7.4807, 6.7619, 7.6197



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.



12.3084, 7.6411, 7.8474



20.2073, 11.2059, 9.7676



12.0671, 8.5127, 3.5924



4.7346, 4.7135, 5.2147



9.6929, 4.9415, 2.9554



0.0368, 0.0184, 0.0271

Inverse Universe

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



12.3084, 7.6411, 7.8474



20.2073, 11.2059, 9.7676



12.4168, 16.1636, 25.3870



4.7346, 4.7135, 5.2147



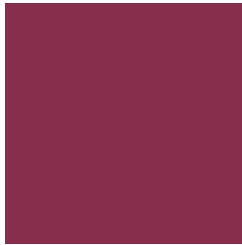
9.6929, 4.9415, 2.9554



0.0368, 0.0184, 0.0271

Previews

White Background



This preview shows how the XYZ color 12.3082, 7.6407, 7.8473 looks on a white background.

Color Contrast Check

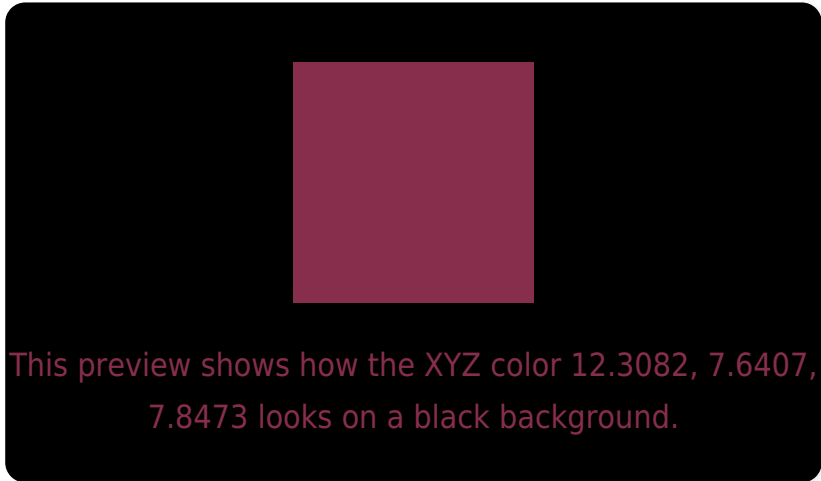
Large Text (above 18pt) WCAG AA ✓ Pass

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

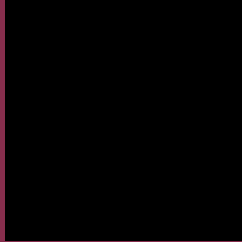
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.3082, 7.6407, 7.8473

Background



This preview shows how black text looks on a background with the XYZ color 12.3082, 7.6407, 7.8473.



This preview shows how white text looks on a background with the XYZ color 12.3082, 7.6407,

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

12.3082, 7.6407, 7.8473

Protanopia

7.7374, 7.7892, 12.1620

Deuteranopia

7.9069, 7.7738, 7.3871



Tritanopia

11.5225, 7.6205, 4.3536

Trichromacy



Original Color

12.3082, 7.6407, 7.8473

Protanomaly

8.6812, 7.1591, 10.3755

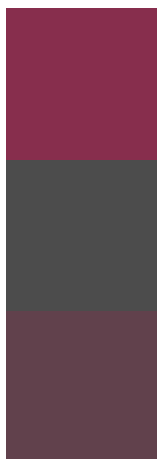
Deuteranomaly

9.0702, 7.3392, 7.4171

Tritanomaly

11.7993, 7.6128, 5.4049

Monochromacy



Original Color

12.3082, 7.6407, 7.8473

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

8.1246, 6.8438, 7.7302

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.3082, 7.6407, 7.8473 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(135, 46, 77)` looks like.

```
.text, #text, p{  
  color:rgb(135, 46, 77)  
}
```

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(135, 46, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 46, 77) }
```

Border

The CSS property to change the border of an element to XYZ 12.3082, 7.6407, 7.8473 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(135, 46, 77) }
```


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

```
.border{ border-color:rgb(135, 46, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 46, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 46, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 46, 77);  
box-shadow:4px 4px 4px 4px rgb(135, 46,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 12.3082, 7.6407, 7.8473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 46, 77) }
```

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

```
.background{ background-color: rgb(135, 46,  
77) }
```

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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