

Converting Colors

XYZ(12.8220, 7.8055, 12.7426)

Have a look what the booklet for
XYZ(12.8220, 7.8055, 12.7426)
contains.

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Color

**XYZ(12.7448, 7.7604,
12.6306)**

Conversions

Conversions Part 1

Format	Color
Hex	842E63
RGB	132, 46, 99
RGB Percent	52%, 18%, 39%
CMY	0.4824, 0.8196, 0.6118
CMYK	0.00, 0.65, 0.25, 0.48
HSL	323°, 48%, 35%
HSV	323°, 65%, 52%
XYZ	12.7448, 7.7604, 12.6306
YIQ	77.7560, 34.2430, 34.7150

Conversions

Conversions Part 2

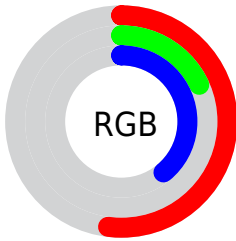
Format	Color
R_{YB}	132, 46, 99
Decimal	8662627
CIE _{Lab}	33.48, 42.65, -12.23
CIE _{LCh}	33, 44.367, 343.996
Yxy	7.7604, 0.3846, 0.2342
Android (android.graphics.Color)	4286852707 (0xFF842E63)
YUV	77.7560, 10.4733, 47.5720
Hunter-Lab	27.8575, 32.9131, -7.3819

Details

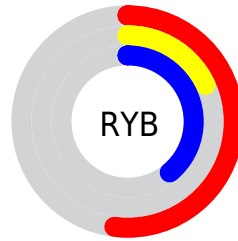
The XYZ color **12.7448, 7.7604, 12.6306** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **10.7896, 17.6480, 10.2358**, and the grayscale version is **7.1723, 7.5459, 8.2174**.

A 20% lighter version of the original color is **30.6117, 21.6287, 31.4155**, and **3.8443, 1.9102, 3.4149** is the 20% darker color. If you saturate the color by 10%, you get **12.0716, 6.7894, 11.2487**, and if you desaturate by 10%, it is **13.5923, 9.0554, 14.1457**.

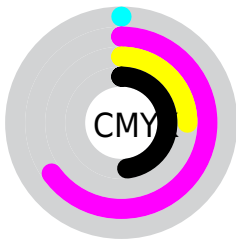
Distribution



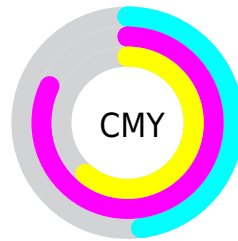
- Red (52%)
- Green (18%)
- Blue (39%)



- Red (52%)
- Yellow (18%)
- Blue (39%)



- Cyan (0%)
- Magenta (65%)
- Yellow (25%)
- Black (48%)



- Cyan (48%)
- Magenta (82%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 12.7448, 7.7604, 12.6306 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 12.7448, 7.7604, 12.6306 by changing the saturation by 10% instead.


 12.7448, 7.7604,
12.6306


 12.7448, 7.7604,
12.6306


202.9464,
173.8405, 219.6605


 7.3288, 3.9420,
7.0470


 30.4498, 21.4874,
31.3199


 3.7167, 1.6412,
3.4126

 43.4695, 32.1648,
45.2627

 1.5432, 0.3851,
1.3090

 59.7545, 45.8973,
62.8289

 0.3549, 0.0000,
0.0691

 79.6702, 63.0693,
84.4371

 0.0000, 0.0000,
0.0000

 103.5818, 84.0652,
110.5058

 131.8549,

109.2695, 141.4536

164.8546,
139.0664, 177.6990

■ 12.7448, 7.7604,
12.6306

■ 12.7448, 7.7604,
12.6306

■ 12.0716, 6.7894,
11.2487

■ 13.5923, 9.0554,
14.1457

■ 11.5566, 6.1111,
9.9930

■ 14.6267, 10.6998,
15.7994

■ 11.1778, 5.6816,
8.8549

■ 15.8605, 12.7176,
17.5971

■ 11.0139, 5.5048,
8.3349

■ 17.3046, 15.1306,
19.5437

■ 18.9693, 17.9586,
21.6440

■ 20.8639, 21.2202,
23.9022

■ 22.9975, 24.9330,
26.3225

■ 25.3785, 29.1135,
28.9088

■ 28.0149, 33.7772,
31.6651

Harmonies

Analogous

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



11.0579, 7.7604, 21.9248



12.7448, 7.7604, 12.6306



12.8050, 7.7604, 5.6455

Triad

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



12.7448, 7.7604, 12.6306



6.3178, 7.7604, 1.0271



4.5353, 7.7604, 21.3138

Complementary

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



12.7448, 7.7604, 12.6306



10.7896, 17.6480, 10.2358

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.



3.7503, 7.7604, 12.0562



12.7448, 7.7604, 12.6306



4.6183, 7.7604, 2.0715

Square

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



12.7448, 7.7604, 12.6306



8.7194, 7.7604, 1.0567



3.7770, 7.7604, 5.3113



6.1783, 7.7604, 28.5136

Rectangle

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



12.7448, 7.7604, 12.6306



11.8886, 7.7604, 3.0141



3.7770, 7.7604, 5.3113



4.1799, 7.7604, 18.1726

Sweetspot

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



12.7450, 7.7608, 12.6307



31.8112, 28.9012, 36.1313



8.3640, 5.2813, 22.4083



7.2454, 6.4560, 8.2072



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.



12.7450, 7.7608, 12.6307



20.8146, 11.3501, 18.7715



11.2076, 7.1458, 4.5349



4.7841, 4.7333, 5.4756



10.6669, 5.3311, 8.0843



0.0405, 0.0199, 0.0468

Inverse Universe

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



12.7450, 7.7608, 12.6307



20.8146, 11.3501, 18.7715



12.8890, 18.4877, 21.2908



4.7841, 4.7333, 5.4756



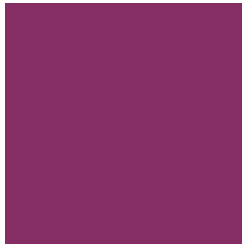
10.6669, 5.3311, 8.0843



0.0405, 0.0199, 0.0468

Previews

White Background



This preview shows how the XYZ color 12.7448, 7.7604, 12.6306 looks on a white background.

Color Contrast Check

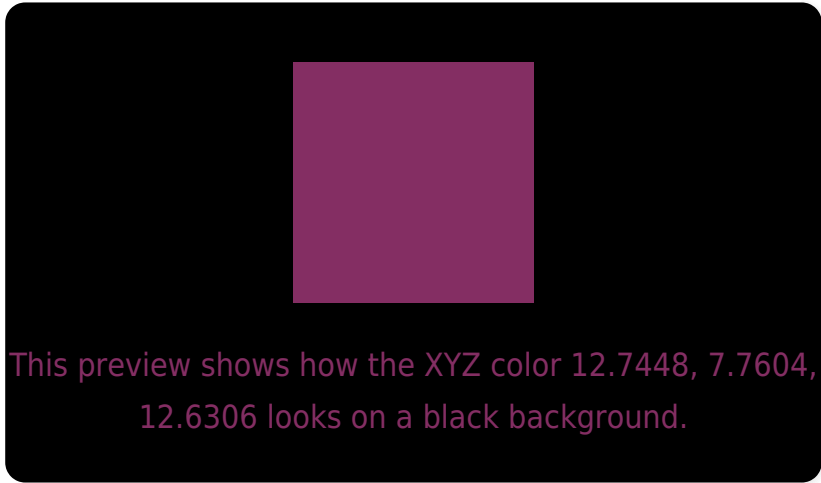
Large Text (above 18pt) WCAG AA ✓ Pass

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

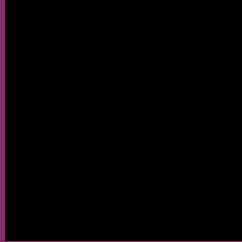
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.7448, 7.7604, 12.6306

Background



This preview shows how black text looks on a background with the XYZ color 12.7448, 7.7604, 12.6306.



This preview shows how white text looks on a background with the XYZ color 12.7448, 7.7604,

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

12.7448, 7.7604, 12.6306

Protanopia

8.4139, 7.9688, 19.8336

Deuteranopia

8.0530, 7.9624, 11.7021



Tritanopia

11.2830, 7.8217, 5.1900

Trichromacy



Original Color

12.7448, 7.7604, 12.6306

Protanomaly

9.1053, 7.2352, 16.8362

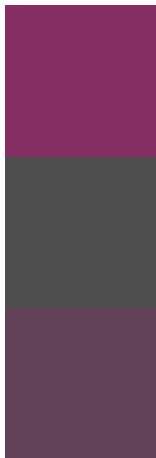
Deuteranomaly

9.2051, 7.3936, 12.0083

Tritanomaly

11.6699, 7.6962, 7.3490

Monochromacy



Original Color

12.7448, 7.7604, 12.6306

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.6649, 7.1650, 9.7304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7448, 7.7604, 12.6306 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(132, 46, 99)` looks like.

```
.text, #text, p{  
    color:rgb(132, 46, 99)  
}
```

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(132, 46, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 46, 99) }
```

Border

The CSS property to change the border of an element to XYZ 12.7448, 7.7604, 12.6306 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(132, 46, 99) }
```


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

```
.border{ border-color:rgb(132, 46, 99) }
```

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

Here you see how a box with a 4 pixel rgb(132, 46, 99) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 46, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 46, 99);  
box-shadow:4px 4px 4px 4px rgb(132, 46,  
99) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7448, 7.7604, 12.6306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 46, 99) }
```

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

```
.background{ background-color: rgb(132, 46,  
99) }
```

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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