

Converting Colors

XYZ(12.5839, 7.5832, 15.8425)

Have a look what the booklet for
XYZ(12.5839, 7.5832, 15.8425)
contains.

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Color

**XYZ(12.5986, 7.6137,
15.8445)**

Conversions

Conversions Part 1

Format	Color
Hex	7F2E6F
RGB	127, 46, 111
RGB Percent	50%, 18%, 44%
CMY	0.5020, 0.8196, 0.5647
CMYK	0.00, 0.64, 0.13, 0.50
HSL	312°, 47%, 34%
HSV	312°, 64%, 50%
XYZ	12.5986, 7.6137, 15.8445
YIQ	77.6290, 27.4110, 37.3870

Conversions

Conversions Part 2

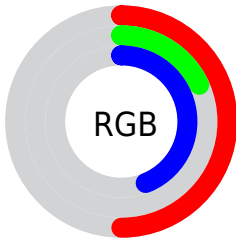
Format	Color
R_{YB}	127, 46, 111
Decimal	8334959
CIE _{Lab}	33.17, 43.02, -20.43
CIE _{LCh}	33, 47.622, 334.597
Yxy	7.6137, 0.3494, 0.2112
Android (android.graphics.Color)	4286525039 (0xFF7F2E6F)
YUV	77.6290, 16.4519, 43.2984
Hunter-Lab	27.5929, 33.2133, -14.7306

Details

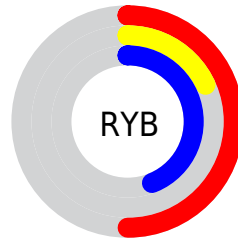
The XYZ color **12.5986, 7.6137, 15.8445** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.5859, 16.1076, 7.1619**, and the grayscale version is **7.1385, 7.5102, 8.1786**.

A 20% lighter version of the original color is **30.1770, 21.1388, 37.1400**, and **3.7989, 1.8547, 4.8604** is the 20% darker color. If you saturate the color by 10%, you get **12.0378, 6.7099, 14.9856**, and if you desaturate by 10%, it is **13.3106, 8.8134, 16.7731**.

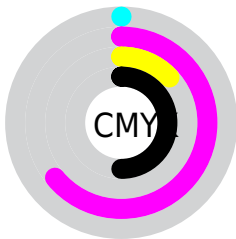
Distribution



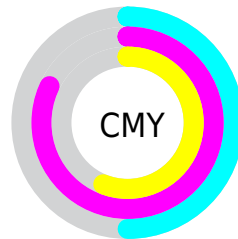
- Red (50%)
- Green (18%)
- Blue (44%)



- Red (50%)
- Yellow (18%)
- Blue (44%)



- Cyan (0%)
- Magenta (64%)
- Yellow (13%)
- Black (50%)



- Cyan (50%)
- Magenta (82%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5986, 7.6137, 15.8445 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 12.5986, 7.6137, 15.8445 by changing the saturation by 10% instead.

12.5986, 7.6137,
15.8445

12.5986, 7.6137,
15.8445

202.0189,
172.6699, 240.2367

7.2278, 3.8488,
9.2610

30.1882, 21.1976,
37.0911

3.6526, 1.5893,
4.8127

43.1378, 31.7853,
52.5912

1.5075, 0.3504,
2.0810

59.3443, 45.4161,
71.9007

0.3309, 0.0000,
0.6044

79.1732, 62.4744,
95.4380

0.0000, 0.0000,
0.0000

102.9897, 83.3445,
123.6218

131.1593,

108.4109, 156.8704

164.0472,
138.0579, 195.6025

■ 12.5986, 7.6137,
15.8445

■ 12.5986, 7.6137,
15.8445

■ 12.0378, 6.7099,
14.9856

■ 13.3106, 8.8134,
16.7731

■ 11.6140, 6.0742,
14.1913

■ 14.1849, 10.3315,
17.7750

■ 11.3103, 5.6725,
13.4558

■ 15.2323, 12.1894,
18.8540

■ 11.1464, 5.4696,
13.0159

■ 16.4624, 14.4066,
20.0136

■ 17.8843, 17.0010,
21.2569

■ 19.5064, 19.9891,
22.5867

■ 21.3364, 23.3867,
24.0060

■ 23.3819, 27.2086,
25.5172

■ 25.6499, 31.4688,
27.1229

Harmonies

Analogous

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



10.3751, 7.6137, 25.9302



12.5986, 7.6137, 15.8445



13.2701, 7.6137, 7.2200

Triad

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



12.5986, 7.6137, 15.8445



6.8526, 7.6137, 0.6790



3.9177, 7.6137, 19.0229

Complementary

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



12.5986, 7.6137, 15.8445



9.5859, 16.1076, 7.1619

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.



3.3816, 7.6137, 9.4609



12.5986, 7.6137, 15.8445



4.8050, 7.6137, 1.2876

Square

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



12.5986, 7.6137, 15.8445



9.5377, 7.6137, 0.9904



3.6637, 7.6137, 3.6247



5.3390, 7.6137, 28.3995

Rectangle

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



12.5986, 7.6137, 15.8445



12.6407, 7.6137, 3.7284



3.6637, 7.6137, 3.6247



3.6453, 7.6137, 15.5714

Sweetspot

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



12.5989, 7.6141, 15.8446



30.5383, 27.7231, 36.7836



6.7234, 4.4741, 20.5880



7.0082, 6.2329, 8.4866



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.



12.5989, 7.6141, 15.8446



21.1440, 11.3834, 26.1025



10.8880, 6.9297, 6.8354



4.4629, 4.3983, 5.2421



11.2409, 5.5161, 13.1243



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.5989, 7.6141, 15.8446



21.1440, 11.3834, 26.1025



11.0825, 16.7062, 15.0429



4.4629, 4.3983, 5.2421



11.2409, 5.5161, 13.1243



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.5986, 7.6137, 15.8445 looks on a white background.

Color Contrast Check

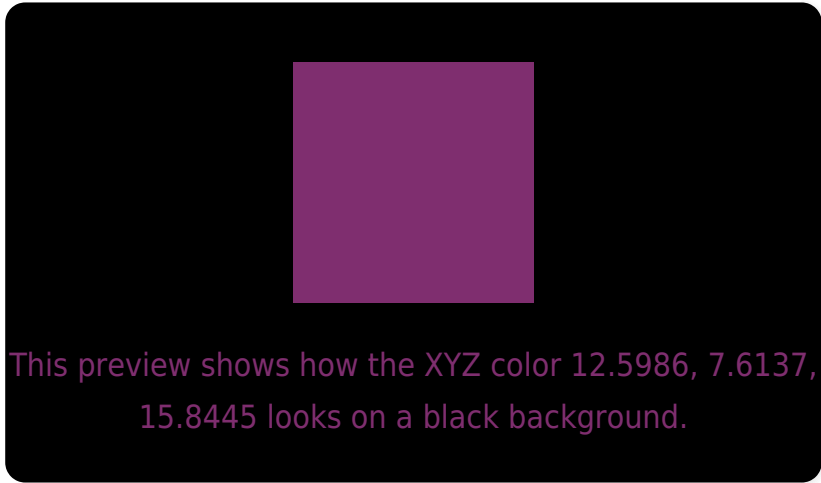
Large Text (above 18pt) WCAG AA ✓ Pass

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

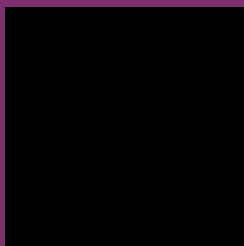
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.5986, 7.6137, 15.8445

Background



This preview shows how black text looks on a background with the XYZ color 12.5986, 7.6137, 15.8445.



This preview shows how white text looks on a background with the XYZ color 12.5986, 7.6137, 15.8445.

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

12.5986, 7.6137, 15.8445

Protanopia

8.5854, 7.8440, 24.7284

Deuteranopia

7.9244, 7.8290, 14.7292



Tritanopia

10.4872, 7.6244, 5.6215

Trichromacy



Original Color

12.5986, 7.6137, 15.8445

Protanomaly

9.0689, 7.1172, 21.3178

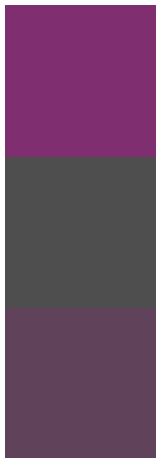
Deuteranomaly

8.9694, 7.2033, 15.1050

Tritanomaly

11.0793, 7.5026, 8.4536

Monochromacy



Original Color

12.5986, 7.6137, 15.8445

Achromatopsia

7.2414, 7.6185, 8.2966

Achromatomaly

8.6175, 7.1214, 10.5932

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5986, 7.6137, 15.8445 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(127, 46, 111)` looks like.

```
.text, #text, p{  
    color:rgb(127, 46, 111)  
}
```

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(127, 46, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 46, 111) }
```

Border

The CSS property to change the border of an element to XYZ 12.5986, 7.6137, 15.8445 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(127, 46, 111) }
```


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

```
.border{ border-color:rgb(127, 46, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 46, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 46, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 46, 111);  
box-shadow:4px 4px 4px 4px rgb(127, 46,  
111) }
```

Background

The CSS property to change the background color of an element to XYZ 12.5986, 7.6137, 15.8445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 46, 111) }
```

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

```
.background{ background-color: rgb(127, 46,  
111) }
```

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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