

Converting Colors

XYZ(12.8171, 9.6746, 7.6243)

Have a look what the booklet for
XYZ(12.8171, 9.6746, 7.6243)
contains.

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Color

**XYZ(12.7863, 9.7000,
7.6769)**

Conversions

Conversions Part 1

Format	Color
Hex	83464A
RGB	131, 70, 74
RGB Percent	51%, 27%, 29%
CMY	0.4863, 0.7255, 0.7098
CMYK	0.00, 0.47, 0.44, 0.49
HSL	356°, 30%, 39%
HSV	356°, 47%, 51%
XYZ	12.7863, 9.7000, 7.6769
YIQ	88.6950, 35.0720, 14.1760

Conversions

Conversions Part 2

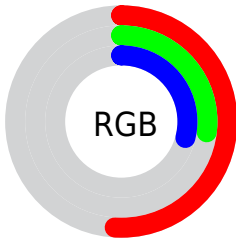
Format	Color
RYB	131, 70, 74
Decimal	8603210
CIELab	37.30, 26.46, 9.27
CIELCh	37, 28.038, 19.307
Yxy	9.7000, 0.4239, 0.3216
Android (android.graphics.Color)	4286793290 (0xFF83464A)
YUV	88.6950, -7.2446, 37.1015
Hunter-Lab	31.1448, 18.7785, 7.1870

Details

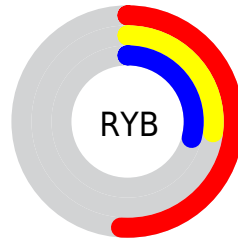
The XYZ color **12.7863, 9.7000, 7.6769** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **14.4734, 19.0673, 22.9974**, and the grayscale version is **9.4384, 9.9300, 10.8137**.

A 20% lighter version of the original color is **30.5413, 25.3021, 22.0130**, and **3.6826, 2.3262, 1.4832** is the 20% darker color. If you saturate the color by 10%, you get **11.6814, 8.0872, 5.4681**, and if you desaturate by 10%, it is **14.1508, 11.7035, 10.3685**.

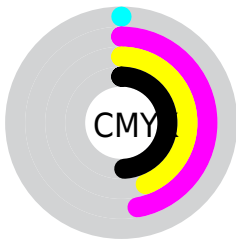
Distribution



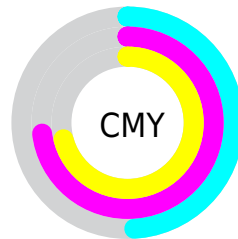
- Red (51%)
- Green (27%)
- Blue (29%)



- Red (51%)
- Yellow (27%)
- Blue (29%)



- Cyan (0%)
- Magenta (47%)
- Yellow (44%)
- Black (49%)



- Cyan (49%)
- Magenta (73%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.7863, 9.7000, 7.6769 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 12.7863, 9.7000, 7.6769 by changing the saturation by 10% instead.

12.7863, 9.7000,
7.6769

12.7863, 9.7000,
7.6769

203.2089,
188.5173, 183.0143

7.3575, 5.2005,
3.8041

30.5239, 25.2297,
21.8582

3.7350, 2.3654,
1.5185

43.5635, 37.0287,
33.0038

1.5533, 0.8080,
0.2317

59.8707, 52.0296,
47.4107

0.3617, 0.0000,
0.0000

79.8109, 70.6169,
65.4975

0.0000, 0.0000,
0.0000

103.7495, 93.1749,
87.6827

132.0518,

120.0880, 114.3849

165.0831,
151.7407, 146.0226

■ 12.7863, 9.7000,
7.6769

■ 12.7863, 9.7000,
7.6769

■ 11.6814, 8.0872,
5.4681

■ 14.1508, 11.7035,
10.3685

■ 10.8189, 6.8382,
3.7130

■ 15.7891, 14.1193,
13.5685

■ 10.1807, 5.9252,
2.3801


■ 17.7153, 16.9691,
17.3014


■ 9.7459, 5.3155,
1.4339


■ 19.9424, 20.2729,
21.5900


■ 9.4803, 4.9516,
0.8299


■ 22.4824, 24.0493,
26.4558

 9.4072, 4.8441,
0.6857

 25.3468, 28.3158,
31.9189

 28.5466, 33.0890,
37.9988

 32.0919, 38.3849,
44.7138

 35.9929, 44.2187,
52.0817

Harmonies

Analogous

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



12.9502, 9.7000, 12.4588



12.7863, 9.7000, 7.6769



11.6002, 9.7000, 4.7966

Triad

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



12.7863, 9.7000, 7.6769



6.8897, 9.7000, 5.4293



8.6073, 9.7000, 23.1938

Complementary

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



12.7863, 9.7000, 7.6769



14.4734, 19.0673, 22.9974

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.



7.1892, 9.7000, 19.7181



12.7863, 9.7000, 7.6769



6.2845, 9.7000, 8.8676

Square

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



12.7863, 9.7000, 7.6769



8.1479, 9.7000, 3.8130



6.3867, 9.7000, 14.0913



10.3813, 9.7000, 22.5646

Rectangle

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



12.7863, 9.7000, 7.6769



10.4645, 9.7000, 3.8537



6.3867, 9.7000, 14.0913



8.0775, 9.7000, 22.4323

Sweetspot

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



12.7866, 9.7005, 7.6771



32.5698, 31.6410, 32.6149



15.0297, 10.5264, 22.7125



7.4175, 7.1216, 7.2743



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.



12.7866, 9.7005, 7.6771



20.7917, 14.2976, 9.5359



14.6884, 13.7130, 7.6676



4.6840, 4.6933, 4.9485



9.2603, 4.7685, 0.6770



0.0328, 0.0168, 0.0063

Inverse Universe

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



12.7866, 9.7005, 7.6771



20.7917, 14.2976, 9.5359



11.6305, 12.9564, 23.3607



4.6840, 4.6933, 4.9485



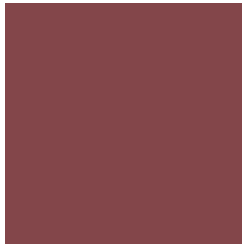
9.2603, 4.7685, 0.6770



0.0328, 0.0168, 0.0063

Previews

White Background



This preview shows how the XYZ color 12.7863, 9.7000, 7.6769 looks on a white background.

Color Contrast Check

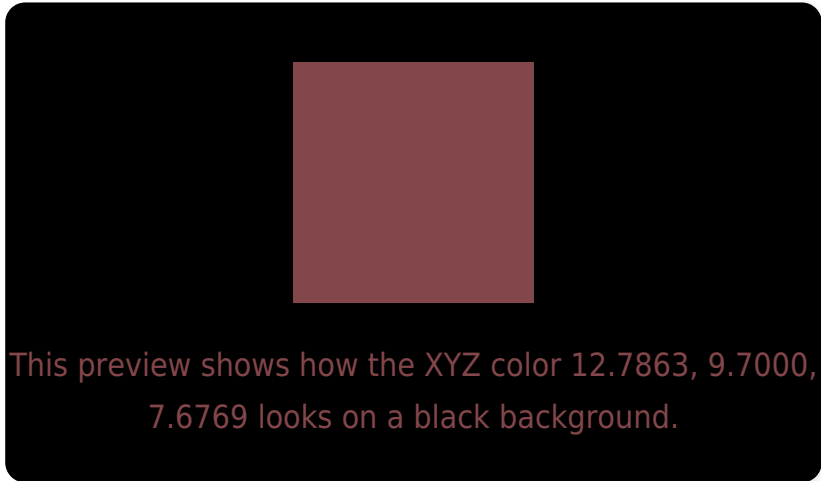
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7863, 9.7000, 7.6769

Background



This preview shows how black text looks on a background with the XYZ color 12.7863, 9.7000, 7.6769.



This preview shows how white text looks on a background with the XYZ color 12.7863, 9.7000,

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

12.7863, 9.7000, 7.6769

Protanopia

9.3654, 9.8281, 9.5870

Deuteranopia

9.9793, 9.8355, 7.3337



Tritanopia

12.8202, 9.7136, 7.8558

Trichromacy



Original Color

12.7863, 9.7000, 7.6769

Protanomaly

10.3343, 9.5282, 8.8839

Deuteranomaly

10.8484, 9.7159, 7.4345

Tritanomaly

12.8202, 9.7136, 7.8558

Monochromacy



Original Color

12.7863, 9.7000, 7.6769

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.3264, 9.6177, 9.6997

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.7863, 9.7000, 7.6769 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(131, 70, 74)` looks like.

```
.text, #text, p{  
    color:rgb(131, 70, 74)  
}
```

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(131, 70, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 70, 74) }
```

Border

The CSS property to change the border of an element to XYZ 12.7863, 9.7000, 7.6769 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(131, 70, 74) }
```


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

```
.border{ border-color:rgb(131, 70, 74) }
```

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

Here you see how a box with a 4 pixel rgb(131, 70, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 70, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 70, 74);  
box-shadow:4px 4px 4px 4px rgb(131, 70,  
74) }
```

Background

The CSS property to change the background color of an element to XYZ 12.7863, 9.7000, 7.6769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 70, 74) }
```

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

```
.background{ background-color: rgb(131, 70,  
74) }
```

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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