

Converting Colors

XYZ(12.1195, 9.3325, 12.6721)

Have a look what the booklet for
XYZ(12.1195, 9.3325, 12.6721)
contains.

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Color

**XYZ(12.0656, 9.3103,
12.7164)**

Conversions

Conversions Part 1

Format	Color
Hex	774762
RGB	119, 71, 98
RGB Percent	47%, 28%, 38%
CMY	0.5333, 0.7216, 0.6157
CMYK	0.00, 0.40, 0.18, 0.53
HSL	326°, 25%, 37%
HSV	326°, 40%, 47%
XYZ	12.0656, 9.3103, 12.7164
YIQ	88.4300, 19.9410, 18.5730

Conversions

Conversions Part 2

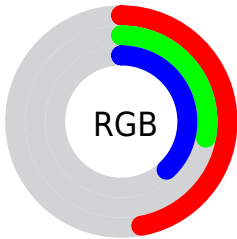
Format	Color
R_{YB}	119, 71, 98
Decimal	7817058
CIE _{Lab}	36.57, 24.67, -7.11
CIE _{LCh}	37, 25.678, 343.915
Yxy	9.3103, 0.3539, 0.2731
Android (android.graphics.Color)	4286007138 (0xFF774762)
YUV	88.4300, 4.7180, 26.8099
Hunter-Lab	30.5128, 17.1865, -3.3505

Details

The XYZ color **12.0656, 9.3103, 12.7164** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.1276, 15.3062, 12.4939**, and the grayscale version is **9.3571, 9.8444, 10.7206**.

A 20% lighter version of the original color is **29.1545, 24.3735, 31.6017**, and **3.4217, 2.2084, 3.4947** is the 20% darker color. If you saturate the color by 10%, you get **11.1437, 7.8472, 11.2354**, and if you desaturate by 10%, it is **13.1523, 11.0772, 14.3314**.

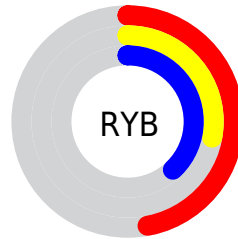
Distribution



Red (47%)

Green (28%)

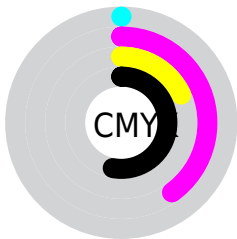
Blue (38%)



Red (47%)

Yellow (28%)

Blue (38%)

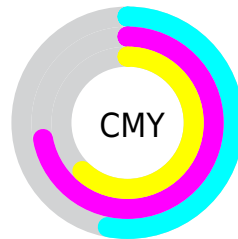


Cyan (0%)

Magenta (40%)

Yellow (18%)

Black (53%)



Cyan (53%)

Magenta (72%)

Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0656, 9.3103, 12.7164 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 12.0656, 9.3103, 12.7164 by changing the saturation by 10% instead.

■ 12.0656, 9.3103,
12.7164

■ 12.0656, 9.3103,
12.7164

198.6001,
185.6761, 220.2356

■ 6.8609, 4.9441,
7.1051

■ 29.2303, 24.4899,
31.4770

■ 3.4208, 2.2145,
3.4485

■ 41.9211, 36.0721,
45.4634

■ 1.3800, 0.7279,
1.3279

■ 57.8379, 50.8285,
63.0787

■ 0.2419, 0.0000,
0.0845

■ 77.3461, 69.1434,
84.7412

■ 0.0000, 0.0000,
0.0000

■ 100.8111, 91.4012,
110.8697

128.5982,

117.9863, 141.8825

161.0727,
149.2832, 178.1983

■ 12.0656, 9.3103,
12.7164

■ 12.0656, 9.3103,
12.7164

■ 11.1437, 7.8472,
11.2354

■ 13.1523, 11.0772,
14.3314

■ 10.3769, 6.6691,
9.8835

■ 14.4112, 13.1626,
16.0841

■ 9.7553, 5.7570,
8.6558

■ 15.8503, 15.5819,
17.9787

■ 9.2680, 5.0892,
7.5473

■ 17.4769, 18.3492,
20.0189

■ 8.9020, 4.6405,
6.5519

■ 19.2978, 21.4776,
22.2083

■ 8.6189, 4.3264,
5.6807

■ 21.3194, 24.9797,
24.5505

■ 23.5479, 28.8673,
27.0487

■ 25.9892, 33.1518,
29.7062

■ 28.6489, 37.8441,
32.5260

Harmonies

Analogous

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



11.1038, 9.3103, 17.6958



12.0656, 9.3103, 12.7164



12.1019, 9.3103, 8.2035

Triad

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



12.0656, 9.3103, 12.7164



8.1453, 9.3103, 3.8637



6.8543, 9.3103, 17.3635

Complementary

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



12.0656, 9.3103, 12.7164



11.1276, 15.3062, 12.4939

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.



6.2387, 9.3103, 12.3535



12.0656, 9.3103, 12.7164



6.9224, 9.3103, 5.1117

Square

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



12.0656, 9.3103, 12.7164



9.7090, 9.3103, 3.9083



6.2621, 9.3103, 7.9329



8.0416, 9.3103, 20.8725

Rectangle

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



12.0656, 9.3103, 12.7164



11.5876, 9.3103, 6.0502



6.2621, 9.3103, 7.9329



6.5802, 9.3103, 15.7440

Sweetspot

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



12.0659, 9.3107, 12.7166



27.8491, 27.0001, 31.5054



9.9771, 8.1040, 18.4912



6.5378, 6.2938, 7.3856



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.0659, 9.3107, 12.7166



20.1251, 14.3182, 20.4033



11.1041, 8.9260, 7.6522



3.7621, 3.7321, 4.2742



9.1522, 4.5946, 6.0098



44.1637, 22.2156, 26.9891

Inverse Universe

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



12.0659, 9.3107, 12.7166



20.1251, 14.3182, 20.4033



12.3364, 15.7898, 18.8597



3.7621, 3.7321, 4.2742



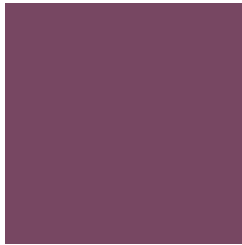
9.1522, 4.5946, 6.0098



44.1637, 22.2156, 26.9891

Previews

White Background



This preview shows how the XYZ color 12.0656, 9.3103, 12.7164 looks on a white background.

Color Contrast Check

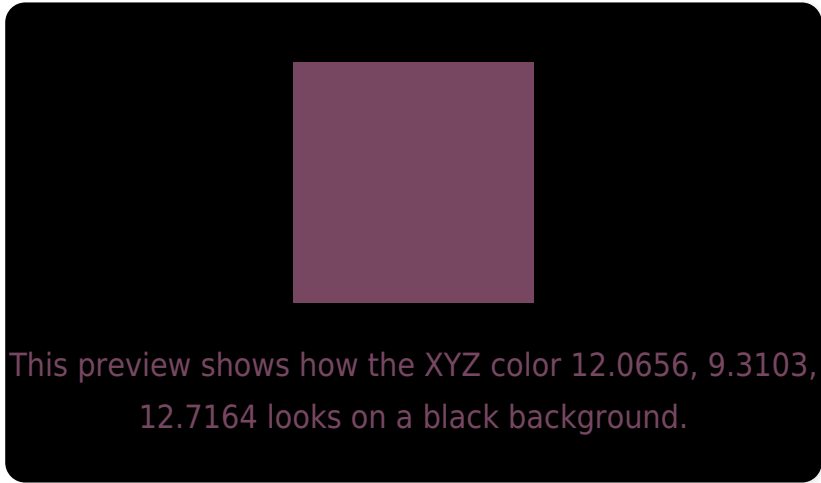
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0656, 9.3103, 12.7164

Background



This preview shows how black text looks on a background with the XYZ color 12.0656, 9.3103, 12.7164.



This preview shows how white text looks on a background with the XYZ color 12.0656, 9.3103,

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

12.0656, 9.3103, 12.7164

Protanopia

9.4279, 9.4876, 15.5217

Deuteranopia

9.5960, 9.4093, 12.3767



Tritanopia

11.2329, 9.2587, 8.7845

Trichromacy



Original Color

12.0656, 9.3103, 12.7164

Protanomaly

10.1604, 9.3172, 14.3596

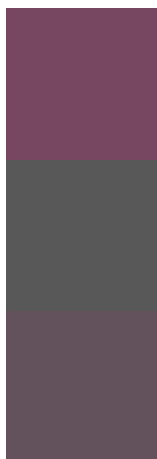
Deuteranomaly

10.3205, 9.2217, 12.5453

Tritanomaly

11.5741, 9.3048, 10.2028

Monochromacy



Original Color

12.0656, 9.3103, 12.7164

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.0947, 9.4599, 11.4191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0656, 9.3103, 12.7164 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(119, 71, 98)` looks like.

```
.text, #text, p{  
    color:rgb(119, 71, 98)  
}
```

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(119, 71, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 71, 98) }
```

Border

The CSS property to change the border of an element to XYZ 12.0656, 9.3103, 12.7164 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(119, 71, 98) }
```


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

```
.border{ border-color:rgb(119, 71, 98) }
```

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

Here you see how a box with a 4 pixel rgb(119, 71, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 71, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 71, 98);  
box-shadow:4px 4px 4px 4px rgb(119, 71,  
98) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0656, 9.3103, 12.7164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 71, 98) }
```

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

```
.background{ background-color: rgb(119, 71,  
98) }
```

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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