

Converting Colors

XYZ(12.8734, 9.3250, 16.3069)

Have a look what the booklet for
XYZ(12.8734, 9.3250, 16.3069)
contains.

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Color

**XYZ(12.8169, 9.2491,
16.4390)**

Conversions

Conversions Part 1

Format	Color
Hex	794370
RGB	121, 67, 112
RGB Percent	47%, 26%, 44%
CMY	0.5255, 0.7372, 0.5608
CMYK	0.00, 0.45, 0.07, 0.53
HSL	310°, 29%, 37%
HSV	310°, 45%, 47%
XYZ	12.8169, 9.2491, 16.4390
YIQ	88.2760, 17.7390, 25.4430

Conversions

Conversions Part 2

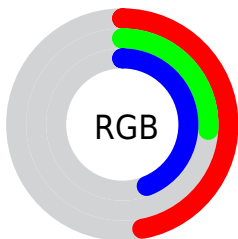
Format	Color
R_{YB}	121, 67, 112
Decimal	7947120
CIE _{Lab}	36.46, 30.28, -16.05
CIE _{LCh}	36, 34.271, 332.077
Yxy	9.2491, 0.3329, 0.2402
Android (android.graphics.Color)	4286137200 (0xFF794370)
YUV	88.2760, 11.6959, 28.6989
Hunter-Lab	30.4123, 22.0050, -10.7598

Details

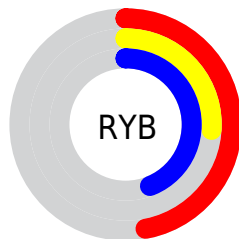
The XYZ color **12.8169, 9.2491, 16.4390** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.4570, 15.3900, 9.2574**, and the grayscale version is **9.3089, 9.7937, 10.6653**.

A 20% lighter version of the original color is **30.7413, 24.5169, 38.2339**, and **3.7741, 2.2101, 5.0782** is the 20% darker color. If you saturate the color by 10%, you get **12.0604, 7.9136, 15.6391**, and if you desaturate by 10%, it is **13.7269, 10.8871, 17.3027**.

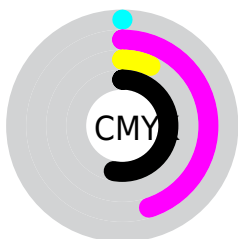
Distribution



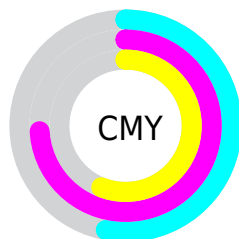
- Red (47%)
- Green (26%)
- Blue (44%)



- Red (47%)
- Yellow (26%)
- Blue (44%)



- Cyan (0%)
- Magenta (45%)
- Yellow (7%)
- Black (53%)



- Cyan (53%)
- Magenta (74%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8169, 9.2491, 16.4390 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 12.8169, 9.2491, 16.4390 by changing the saturation by 10% instead.

12.8169, 9.2491,
16.4390

12.8169, 9.2491,
16.4390

203.4023,
185.2254, 243.8519

7.3787, 4.9040,
9.6776

30.5786, 24.3732,
38.1360

3.7485, 2.1911,
5.0829

43.6328, 35.9210,
53.9087

1.5608, 0.7151,
2.2364

59.9563, 50.6385,
73.5223

0.3667, 0.0000,
0.6953

79.9146, 68.9102,
97.3953

0.0000, 0.0000,
0.0000

103.8730, 91.1203,
125.9462

132.1968,

117.6532, 159.5936

165.2515,
148.8935, 198.7560

■ 12.8169, 9.2491,
16.4390

■ 12.8169, 9.2491,
16.4390

■ 12.0604, 7.9136,
15.6391

■ 13.7269, 10.8871,
17.3027

■ 11.4470, 6.8605,
14.8991

■ 14.7980, 12.8437,
18.2325

■ 10.9664, 6.0691,
14.2156

■ 16.0387, 15.1351,
19.2314

■ 10.6067, 5.5155,
13.5846

■ 17.4563, 17.7763,
20.3019

■ 10.3499, 5.1638,
13.0000

■ 19.0578, 20.7813,
21.4464

■ 10.2260, 5.0013,
12.6955

■ 20.8499, 24.1632,
22.6673

■ 22.8388, 27.9347,
23.9666

■ 25.0306, 32.1076,
25.3466

■ 27.4310, 36.6935,
26.8090

Harmonies

Analogous

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



11.0892, 9.2491, 23.2184



12.8169, 9.2491, 16.4390



13.4211, 9.2491, 9.6615

Triad

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



12.8169, 9.2491, 16.4390



8.6469, 9.2491, 2.4157



5.8204, 9.2491, 17.4554

Complementary

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



12.8169, 9.2491, 16.4390



10.4570, 15.3900, 9.2574

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.



5.3709, 9.2491, 10.4912



12.8169, 9.2491, 16.4390



6.8345, 9.2491, 3.1517

Square

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



12.8169, 9.2491, 16.4390



10.7988, 9.2491, 2.9643



5.7110, 9.2491, 5.6048



7.0489, 9.2491, 23.9499

Rectangle

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



12.8169, 9.2491, 16.4390



13.0397, 9.2491, 6.3518



5.7110, 9.2491, 5.6048



5.5828, 9.2491, 15.0151

Sweetspot

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



12.8172, 9.2495, 16.4392



29.0329, 27.6821, 34.6802



8.4393, 6.9318, 18.9824



6.5379, 6.1430, 7.8516



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.



12.8172, 9.2495, 16.4392



21.5090, 14.0181, 27.9059



11.5323, 8.7356, 9.6731



4.1272, 4.0666, 4.8674



10.9552, 5.3582, 13.5867



51.9876, 25.4514, 63.3900

Inverse Universe

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



12.8172, 9.2495, 16.4392



21.5090, 14.0181, 27.9059



11.6006, 15.8475, 15.2797



4.1272, 4.0666, 4.8674



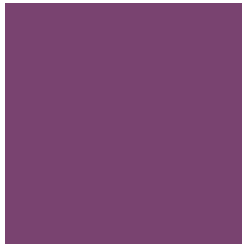
10.9552, 5.3582, 13.5867



51.9876, 25.4514, 63.3900

Previews

White Background



This preview shows how the XYZ color 12.8169, 9.2491, 16.4390 looks on a white background.

Color Contrast Check

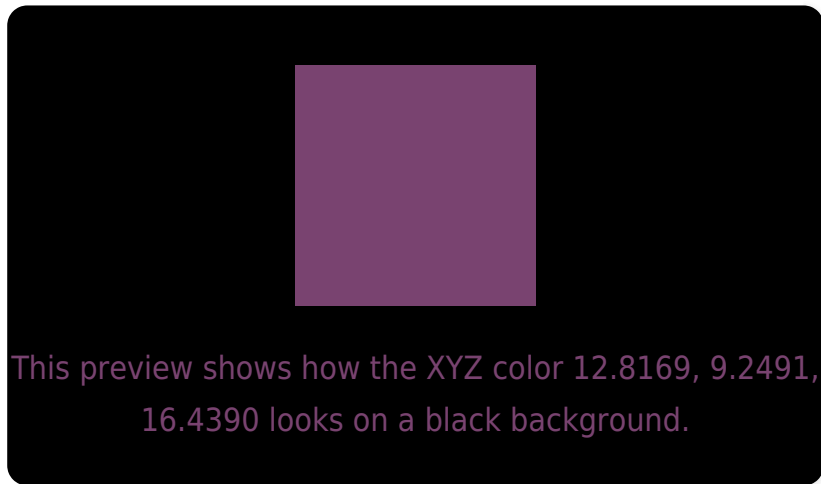
Large Text (above 18pt) WCAG AA ✓ Pass

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

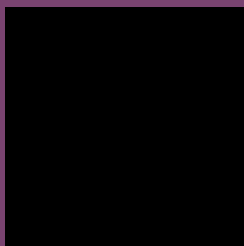
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.8169, 9.2491, 16.4390

Background



This preview shows how black text looks on a background with the XYZ color 12.8169, 9.2491, 16.4390.



This preview shows how white text looks on a background with the XYZ color 12.8169, 9.2491,

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

12.8169, 9.2491, 16.4390

Protanopia

9.7620, 9.4198, 21.0424

Deuteranopia

9.5761, 9.4401, 15.7854



Tritanopia

11.2329, 9.2587, 8.7845

Trichromacy



Original Color

12.8169, 9.2491, 16.4390

Protanomaly

10.3920, 9.0029, 19.2792

Deuteranomaly

10.4686, 9.1160, 15.9596

Tritanomaly

11.6562, 9.1307, 11.2733

Monochromacy



Original Color

12.8169, 9.2491, 16.4390

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.2819, 9.3097, 12.5643

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8169, 9.2491, 16.4390 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(121, 67, 112)` looks like.

```
.text, #text, p{  
    color:rgb(121, 67, 112)  
}
```

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(121, 67, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 67, 112) }
```

Border

The CSS property to change the border of an element to XYZ 12.8169, 9.2491, 16.4390 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(121, 67, 112) }
```


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

```
.border{ border-color:rgb(121, 67, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 67, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 67, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 67, 112);  
box-shadow:4px 4px 4px 4px rgb(121, 67,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 12.8169, 9.2491, 16.4390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 67, 112) }
```

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

```
.background{ background-color: rgb(121, 67,  
112) }
```

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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