

Converting Colors

XYZ(12.8859, 9.3093, 15.5865)

Have a look what the booklet for
XYZ(12.8859, 9.3093, 15.5865)
contains.

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Color

**XYZ(12.9359, 9.3294,
15.5870)**

Conversions

Conversions Part 1

Format	Color
Hex	7B436D
RGB	123, 67, 109
RGB Percent	48%, 26%, 43%
CMY	0.5176, 0.7372, 0.5725
CMYK	0.00, 0.46, 0.11, 0.52
HSL	315°, 29%, 37%
HSV	315°, 46%, 48%
XYZ	12.9359, 9.3294, 15.5870
YIQ	88.5320, 19.8940, 24.9340

Conversions

Conversions Part 2

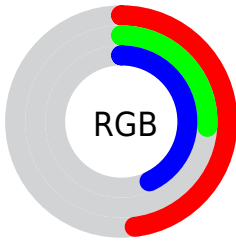
Format	Color
R_{YB}	123, 67, 109
Decimal	8078189
CIE _{Lab}	36.61, 30.42, -13.92
CIE _{LCh}	37, 33.452, 335.419
Y _{xy}	9.3294, 0.3417, 0.2465
Android (android.graphics.Color)	4286268269 (0xFF7B436D)
Y _{UV}	88.5320, 10.0907, 30.2284
Hunter-Lab	30.5441, 22.1455, -8.8755

Details

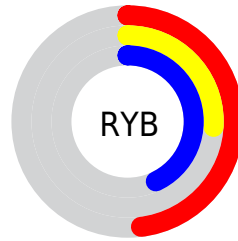
The XYZ color **12.9359, 9.3294, 15.5870** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **10.8833, 15.9537, 10.2910**, and the grayscale version is **9.3681, 9.8559, 10.7331**.

A 20% lighter version of the original color is **30.9258, 24.6429, 36.8448**, and **3.7649, 2.2150, 4.6440** is the 20% darker color. If you saturate the color by 10%, you get **12.1183, 7.9543, 14.5120**, and if you desaturate by 10%, it is **13.9153, 11.0184, 16.7447**.

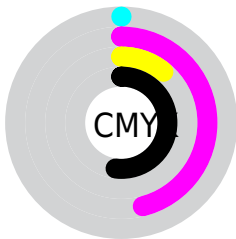
Distribution



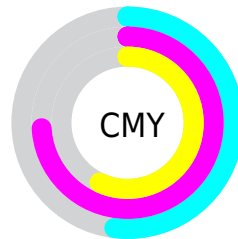
- Red (48%)
- Green (26%)
- Blue (43%)



- Red (48%)
- Yellow (26%)
- Blue (43%)



- Cyan (0%)
- Magenta (46%)
- Yellow (11%)
- Black (52%)



- Cyan (52%)
- Magenta (74%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.9359, 9.3294, 15.5870 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 12.9359, 9.3294, 15.5870 by changing the saturation by 10% instead.

12.9359, 9.3294,
15.5870

12.9359, 9.3294,
15.5870

204.1524,
185.8165, 238.6541

7.4611, 4.9567,
9.0812

30.7909, 24.5263,
36.6365

3.8010, 2.2219,
4.6966

43.9018, 36.1192,
52.0172

1.5902, 0.7319,
2.0148

60.2888, 50.8877,
71.1934

0.3860, 0.0000,
0.5644

80.3172, 69.2160,
94.5835

0.0000, 0.0000,
0.0000

104.3524, 91.4887,
122.6061

132.7598,

118.0901, 155.6797

165.9046,
149.4046, 194.2228

■ 12.9359, 9.3294,
15.5870

■ 12.9359, 9.3294,
15.5870

■ 12.1183, 7.9543,
14.5120

■ 13.9153, 11.0184,
16.7447

■ 11.4515, 6.8719,
13.5154

■ 15.0646, 13.0380,
17.9879

■ 10.9248, 6.0605,
12.5936

■ 16.3926, 15.4056,
19.3197

■ 10.5253, 5.4947,
11.7418

■ 17.9071, 18.1366,
20.7431

■ 10.2318, 5.1319,
10.9528

■ 19.6155, 21.2458,
22.2609

■ 10.1112, 4.9881,
10.6122

■ 21.5247, 24.7470,
23.8756

■ 23.6415, 28.6533,
25.5897

■ 25.9720, 32.9773,
27.4055

■ 28.5223, 37.7310,
29.3253

Harmonies

Analogous

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



11.3415, 9.3294, 22.3450



12.9359, 9.3294, 15.5870



13.3757, 9.3294, 9.1334

Triad

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



12.9359, 9.3294, 15.5870



8.5019, 9.3294, 2.5748



6.0384, 9.3294, 18.1625

Complementary

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



12.9359, 9.3294, 15.5870



10.8833, 15.9537, 10.2910

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.



5.5063, 9.3294, 11.2568



12.9359, 9.3294, 15.5870



6.7820, 9.3294, 3.4763

Square

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



12.9359, 9.3294, 15.5870



10.6019, 9.3294, 2.9825



5.7561, 9.3294, 6.1636



7.3331, 9.3294, 24.1885

Rectangle

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



12.9359, 9.3294, 15.5870



12.9048, 9.3294, 6.0576



5.7561, 9.3294, 6.1636



5.7743, 9.3294, 15.7858

Sweetspot

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



12.9362, 9.3298, 15.5872



29.6575, 28.1308, 34.8889



8.9761, 7.1942, 19.6547



6.8756, 6.4293, 8.1111



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.9362, 9.3298, 15.5872



21.5919, 14.0646, 25.8343



11.6611, 8.8198, 8.8729



4.1137, 4.0612, 4.7964



10.4576, 5.1592, 10.9664



49.5296, 24.4682, 50.4466

Inverse Universe

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



12.9362, 9.3298, 15.5872



21.5919, 14.0646, 25.8343



12.1584, 16.4637, 17.0054



4.1137, 4.0612, 4.7964



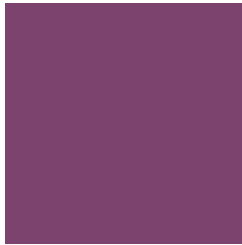
10.4576, 5.1592, 10.9664



49.5296, 24.4682, 50.4466

Previews

White Background



This preview shows how the XYZ color 12.9359, 9.3294, 15.5870 looks on a white background.

Color Contrast Check

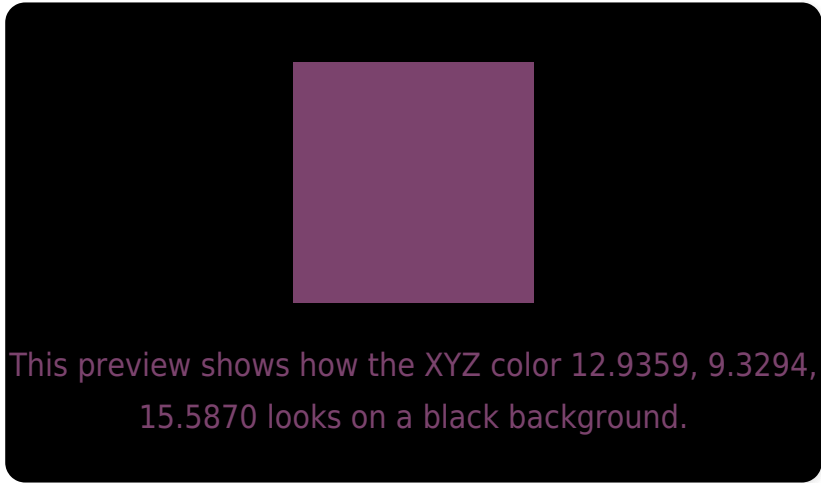
Large Text (above 18pt) WCAG AA ✓ Pass

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

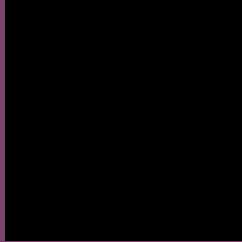
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.9359, 9.3294, 15.5870

Background



This preview shows how black text looks on a background with the XYZ color 12.9359, 9.3294, 15.5870.



This preview shows how white text looks on a background with the XYZ color 12.9359, 9.3294,

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

12.9359, 9.3294, 15.5870

Protanopia

9.7253, 9.4229, 20.0451

Deuteranopia

9.5963, 9.4689, 14.9576



Tritanopia

11.5396, 9.3227, 8.5884

Trichromacy



Original Color

12.9359, 9.3294, 15.5870

Protanomaly

10.4080, 9.0321, 18.3343

Deuteranomaly

10.5238, 9.1630, 15.1239

Tritanomaly

11.9839, 9.3096, 10.8382

Monochromacy



Original Color

12.9359, 9.3294, 15.5870

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.4206, 9.4961, 12.3500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.9359, 9.3294, 15.5870 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(123, 67, 109)` looks like.

```
.text, #text, p{  
    color:rgb(123, 67, 109)  
}
```

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(123, 67, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 67, 109) }
```

Border

The CSS property to change the border of an element to XYZ 12.9359, 9.3294, 15.5870 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(123, 67, 109) }
```


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

```
.border{ border-color:rgb(123, 67, 109) }
```

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

Here you see how a box with a 4 pixel rgb(123, 67, 109) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 67, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 67, 109);  
box-shadow:4px 4px 4px 4px rgb(123, 67,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 12.9359, 9.3294, 15.5870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 67, 109) }
```

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

```
.background{ background-color: rgb(123, 67,  
109) }
```

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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