

Converting Colors

XYZ(12.0085, 9.4200, 15.8578)

Have a look what the booklet for
XYZ(12.0085, 9.4200, 15.8578)
contains.

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Color

**XYZ(12.0071, 9.4016,
15.9337)**

Conversions

Conversions Part 1

Format	Color
Hex	71496E
RGB	113, 73, 110
RGB Percent	44%, 29%, 43%
CMY	0.5569, 0.7137, 0.5686
CMYK	0.00, 0.35, 0.03, 0.56
HSL	305°, 22%, 36%
HSV	305°, 35%, 44%
XYZ	12.0071, 9.4016, 15.9337
YIQ	89.1780, 11.9630, 19.9870

Conversions

Conversions Part 2

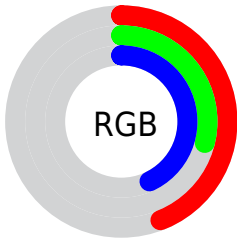
Format	Color
R_{YB}	113, 73, 110
Decimal	7424366
CIE _{Lab}	36.75, 23.53, -14.45
CIE _{LCh}	37, 27.612, 328.439
Yxy	9.4016, 0.3215, 0.2518
Android (android.graphics.Color)	4285614446 (0xFF71496E)
YUV	89.1780, 10.2652, 20.8919
Hunter-Lab	30.6620, 16.2412, -9.3470

Details

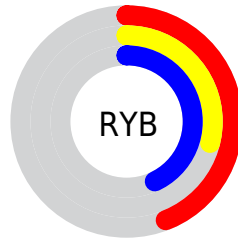
The XYZ color **12.0071, 9.4016, 15.9337** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **9.9577, 13.7489, 8.9670**, and the grayscale version is **9.5113, 10.0066, 10.8972**.

A 20% lighter version of the original color is **29.2070, 24.6347, 37.3980**, and **3.3991, 2.2683, 4.8161** is the 20% darker color. If you saturate the color by 10%, you get **11.2852, 8.0312, 15.4665**, and if you desaturate by 10%, it is **12.8649, 11.0429, 16.4486**.

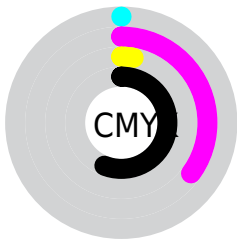
Distribution



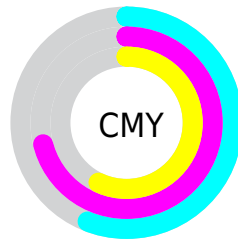
- Red (44%)
- Green (29%)
- Blue (43%)



- Red (44%)
- Yellow (29%)
- Blue (43%)



- Cyan (0%)
- Magenta (35%)
- Yellow (3%)
- Black (56%)



- Cyan (56%)
- Magenta (71%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0071, 9.4016, 15.9337 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 12.0071, 9.4016, 15.9337 by changing the saturation by 10% instead.

12.0071, 9.4016,
15.9337

12.0071, 9.4016,
15.9337

198.2212,
186.3462, 240.7825

6.8207, 5.0040,
9.3234

29.1248, 24.6637,
37.2483

3.3956, 2.2496,
4.8530

41.7868, 36.2971,
52.7896

1.3662, 0.7469,
2.1041

57.6715, 51.1112,
72.1450

0.2320, 0.0000,
0.6182

77.1441, 69.4903,
95.7331

0.0000, 0.0000,
0.0000

100.5700, 91.8191,
123.9723

128.3146,

118.4817, 157.2813

160.7432,
149.8626, 196.0785

■ 12.0071, 9.4016,
15.9337

■ 12.0071, 9.4016,
15.9337

■ 11.2852, 8.0312,
15.4665

■ 12.8649, 11.0429,
16.4486

■ 10.6911, 6.9158,
15.0440

■ 13.8646, 12.9673,
17.0128

■ 10.2170, 6.0397,
14.6637


■ 15.0128, 15.1879,
17.6287


■ 9.8541, 5.3853,
14.3226


■ 16.3153, 17.7166,
18.2983


■ 9.5922, 4.9321,
14.0173


■ 17.7778, 20.5645,
19.0233


 9.4120, 4.6419,
13.7414

 19.4056, 23.7424,
19.8057

 9.3356, 4.5209,
13.6173

 21.2038, 27.2603,
20.6472

 23.1772, 31.1279,
21.5492

 25.3306, 35.3547,
22.5135

Harmonies

Analogous

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



10.5778, 9.4016, 20.8195



12.0071, 9.4016, 15.9337



12.6016, 9.4016, 10.4928

Triad

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



12.0071, 9.4016, 15.9337



9.0249, 9.4016, 3.4587



6.3679, 9.4016, 15.3502

Complementary

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



12.0071, 9.4016, 15.9337



9.9577, 13.7489, 8.9670

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.



6.0605, 9.4016, 9.9849



12.0071, 9.4016, 15.9337



7.4734, 9.4016, 4.0319

Square

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



12.0071, 9.4016, 15.9337



10.7506, 9.4016, 4.1699



6.4389, 9.4016, 6.0909



7.3379, 9.4016, 20.4145

Rectangle

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



12.0071, 9.4016, 15.9337



12.3940, 9.4016, 7.5617



6.4389, 9.4016, 6.0909



6.1895, 9.4016, 13.4783

Sweetspot

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



12.0074, 9.4020, 15.9339



25.6373, 24.7857, 30.9050



8.3177, 7.4807, 16.6286



5.8828, 5.6428, 7.1223



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



12.0074, 9.4020, 15.9339



20.4812, 14.8979, 27.8782



11.0527, 9.0201, 10.9064



3.5041, 3.4494, 4.1815



10.5864, 5.1270, 15.4300



52.5955, 25.4835, 76.1253

Inverse Universe

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



12.0074, 9.4020, 15.9339



20.4812, 14.8979, 27.8782



10.7492, 14.0655, 13.1348



3.5041, 3.4494, 4.1815



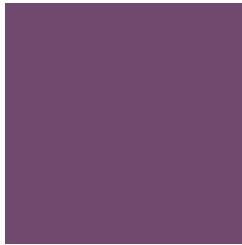
10.5864, 5.1270, 15.4300



52.5955, 25.4835, 76.1253

Previews

White Background



This preview shows how the XYZ color 12.0071, 9.4016, 15.9337 looks on a white background.

Color Contrast Check

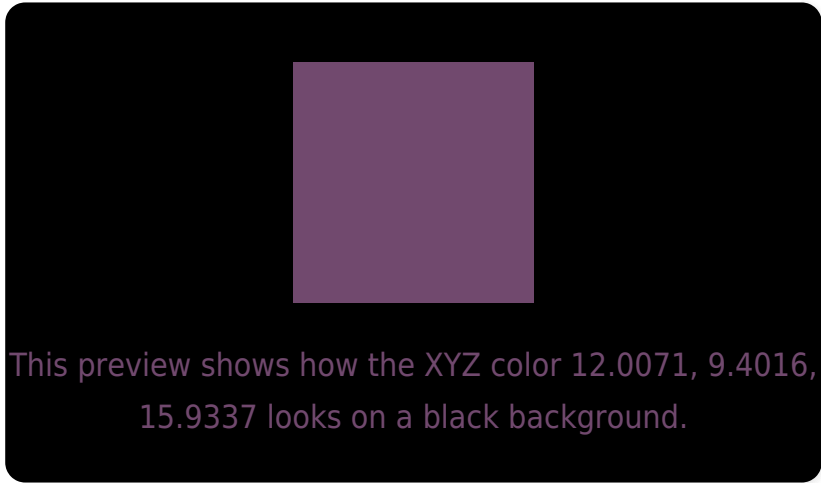
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.0071, 9.4016, 15.9337

Background



This preview shows how black text looks on a background with the XYZ color 12.0071, 9.4016, 15.9337.



This preview shows how white text looks on a background with the XYZ color 12.0071, 9.4016,

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

12.0071, 9.4016, 15.9337

Protanopia

9.7181, 9.5653, 18.7868

Deuteranopia

9.7016, 9.5110, 15.5118



Tritanopia

10.7550, 9.4039, 9.6358

Trichromacy



Original Color

12.0071, 9.4016, 15.9337

Protanomaly

10.3113, 9.3195, 17.7784

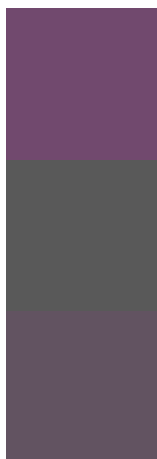
Deuteranomaly

10.4221, 9.4219, 15.7373

Tritanomaly

11.1158, 9.3387, 11.5726

Monochromacy



Original Color

12.0071, 9.4016, 15.9337

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

10.2879, 9.6463, 12.6289

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0071, 9.4016, 15.9337 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(113, 73, 110)` looks like.

```
.text, #text, p{  
    color:rgb(113, 73, 110)  
}
```

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(113, 73, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 73, 110) }
```

Border

The CSS property to change the border of an element to XYZ 12.0071, 9.4016, 15.9337 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(113, 73, 110) }
```


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

```
.border{ border-color:rgb(113, 73, 110) }
```

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

Here you see how a box with a 4 pixel rgb(113, 73, 110) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 73, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 73, 110);  
box-shadow:4px 4px 4px 4px rgb(113, 73,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0071, 9.4016, 15.9337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 73, 110) }
```

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

```
.background{ background-color: rgb(113, 73,  
110) }
```

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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