

Converting Colors

XYZ(15.3339, 11.1322, 28.7791)

Have a look what the booklet for
XYZ(15.3339, 11.1322, 28.7791)
contains.

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Color

**XYZ(15.3221, 11.1270,
28.9439)**

Conversions

Conversions Part 1

Format	Color
Hex	764C93
RGB	118, 76, 147
RGB Percent	46%, 30%, 58%
CMY	0.5372, 0.7020, 0.4235
CMYK	0.20, 0.48, 0.00, 0.42
HSL	275°, 32%, 44%
HSV	275°, 48%, 58%
XYZ	15.3221, 11.1270, 28.9439
YIQ	96.6520, 2.2410, 30.9850

Conversions

Conversions Part 2

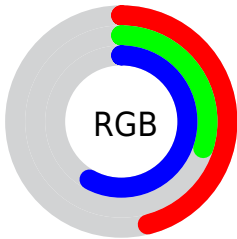
Format	Color
R _{YB}	118, 76, 147
Decimal	7752851
CIE Lab	39.79, 31.63, -32.40
CIE LCh	40, 45.281, 314.313
Yxy	11.1270, 0.2766, 0.2009
Android (android.graphics.Color)	4285942931 (0xFF764C93)
YUV	96.6520, 24.8216, 18.7222
Hunter-Lab	33.3572, 23.6162, -28.0957

Details

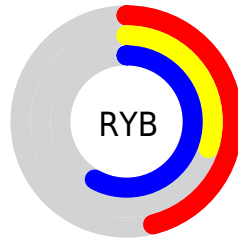
The XYZ color **15.3221, 11.1270, 28.9439** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **17.5642, 24.3927, 10.6204**, and the grayscale version is **11.2182, 11.8024, 12.8528**.

A 20% lighter version of the original color is **35.0167, 27.9094, 58.7998**, and **4.8654, 2.9165, 11.3728** is the 20% darker color. If you saturate the color by 10%, you get **13.6332, 8.9210, 28.6073**, and if you desaturate by 10%, it is **17.2952, 13.8235, 29.3606**.

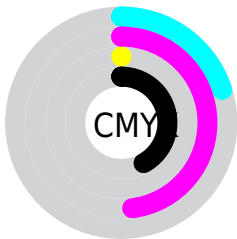
Distribution



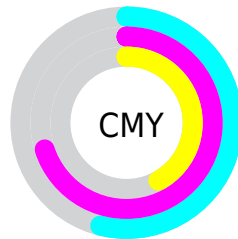
- Red (46%)
- Green (30%)
- Blue (58%)



- Red (46%)
- Yellow (30%)
- Blue (58%)



- Cyan (20%)
- Magenta (48%)
- Yellow (0%)
- Black (42%)



- Cyan (54%)
- Magenta (70%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3221, 11.1270, 28.9439 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 15.3221, 11.1270, 28.9439 by changing the saturation by 10% instead.

■ 15.3221, 11.1270,
28.9439

■ 15.3221, 11.1270,
28.9439

218.6575,
198.5368, 311.0028

■ 9.1335, 6.1523,
18.7932

■ 34.9843, 27.8948,
59.0291

■ 4.8862, 2.9379,
11.3456

■ 49.1886, 40.4567,
79.8006

■ 2.2147, 1.0994,
6.1827

■ 66.7956, 56.3164,
104.9494

■ 0.7505, 0.0000,
2.8859

■ 88.1706, 75.8584,
134.8942

■ 0.0000, 0.0000,
1.0367

■ 113.6789, 99.4670,
170.0534

■ 0.0000, 0.0000,
0.0000

143.6859,

127.5267, 210.8455

178.5570,
160.4218, 257.6891

■ 15.3221, 11.1270,
28.9439

■ 15.3221, 11.1270,
28.9439

■ 13.6332, 8.9210,
28.6073

■ 17.2952, 13.8235,
29.3606

■ 12.2102, 7.1717,
28.3447

■ 19.5666, 17.0385,
29.8614

■ 11.0347, 5.8431,
28.1502

■ 22.1509, 20.7996,
30.4512

■ 10.0846, 4.8927,
28.0168

■ 25.0614, 25.1318,
31.1340

■ 9.3163, 4.2347,
27.9303

■ 28.3104, 30.0588,
31.9137

■ 9.1931, 4.1309,
27.9167

■ 31.9097, 35.6027,
32.7941

■ 35.8704, 41.7845,
33.7786

■ 40.2031, 48.6242,
34.8704

■ 44.9180, 56.1411,
36.0728

Harmonies

Analogous

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



12.1225, 11.1270, 37.4043



15.3221, 11.1270, 28.9439



17.4329, 11.1270, 17.3553

Triad

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



15.3221, 11.1270, 28.9439



12.2748, 11.1270, 1.9809



5.7792, 11.1270, 16.8562

Complementary

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



15.3221, 11.1270, 28.9439



17.5642, 24.3927, 10.6204

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.



5.8040, 11.1270, 8.0531



15.3221, 11.1270, 28.9439



9.1667, 11.1270, 1.9493

Square

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



15.3221, 11.1270, 28.9439



15.4523, 11.1270, 3.6629



6.9275, 11.1270, 3.5337



6.8513, 11.1270, 28.4282

Rectangle

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



15.3221, 11.1270, 28.9439



17.7214, 11.1270, 10.8739



6.9275, 11.1270, 3.5337



5.6673, 11.1270, 13.4480

Sweetspot

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



15.3225, 11.1274, 28.9442



41.6877, 40.2349, 55.0035



13.3585, 13.8659, 29.5762



9.2862, 8.8435, 12.5024



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



15.3225, 11.1274, 28.9442



24.1680, 15.6634, 51.1841



19.4313, 13.2979, 26.7746



5.8085, 5.7923, 7.2816



7.9984, 3.5959, 24.2036



0.1314, 0.0613, 0.2978

Inverse Universe

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



17.1671, 12.3922, 14.8520



28.1835, 18.3907, 21.6786



14.9343, 23.0121, 11.6211



5.8931, 5.8523, 6.5433



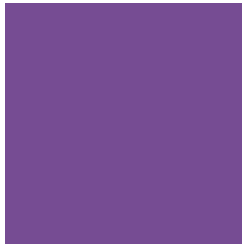
11.1514, 5.6656, 4.2784



0.1505, 0.0750, 0.1262

Previews

White Background



This preview shows how the XYZ color 15.3221, 11.1270, 28.9439 looks on a white background.

Color Contrast Check

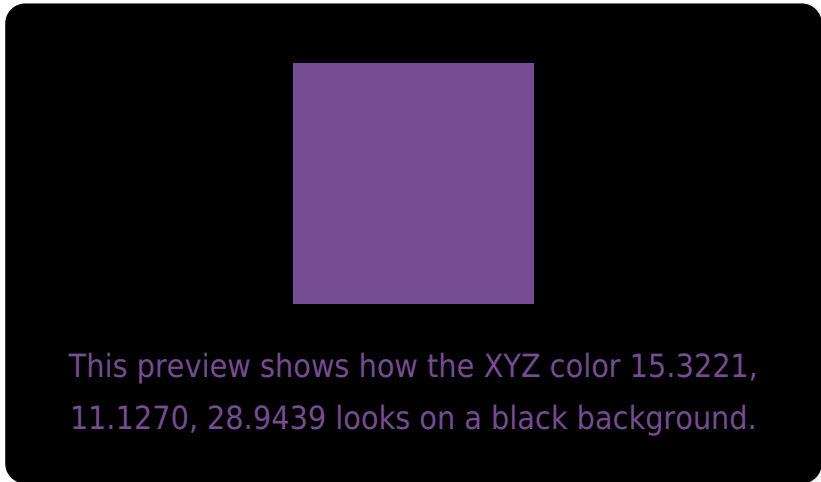
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

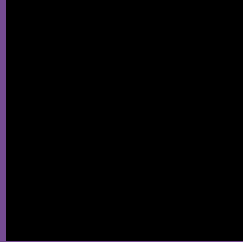
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.3221, 11.1270, 28.9439

Background



This preview shows how black text looks on a background with the XYZ color 15.3221, 11.1270, 28.9439.



This preview shows how white text looks on a background with the XYZ color 15.3221, 11.1270,

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

15.3221, 11.1270, 28.9439

Protanopia

12.3745, 11.3175, 35.2505

Deuteranopia

11.4864, 11.2907, 27.5605



Tritanopia

11.9857, 11.1207, 12.3413

Trichromacy



Original Color

15.3221, 11.1270, 28.9439

Protanomaly

12.9847, 10.9407, 32.8799

Deuteranomaly

12.3727, 10.8562, 27.8289

Tritanomaly

13.0176, 11.0663, 17.3695

Monochromacy



Original Color

15.3221, 11.1270, 28.9439

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

12.4926, 11.3858, 17.7589

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3221, 11.1270, 28.9439 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(118, 76, 147)` looks like.

```
.text, #text, p{  
    color:rgb(118, 76, 147)  
}
```

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(118, 76, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 76, 147) }
```

Border

The CSS property to change the border of an element to XYZ 15.3221, 11.1270, 28.9439 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(118, 76, 147) }
```


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

```
.border{ border-color:rgb(118, 76, 147) }
```

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

Here you see how a box with a 4 pixel rgb(118, 76, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 76, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 76, 147);  
box-shadow:4px 4px 4px 4px rgb(118, 76,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3221, 11.1270, 28.9439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 76, 147) }
```

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

```
.background{ background-color: rgb(118, 76,  
147) }
```

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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