

Converting Colors

XYZ(15.4827, 11.7366, 29.5321)

Have a look what the booklet for
XYZ(15.4827, 11.7366, 29.5321)
contains.

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Color

**XYZ(15.4902, 11.7360,
29.4658)**

Conversions

Conversions Part 1

Format	Color
Hex	745194
RGB	116, 81, 148
RGB Percent	45%, 32%, 58%
CMY	0.5451, 0.6823, 0.4196
CMYK	0.22, 0.45, 0.00, 0.42
HSL	271°, 29%, 45%
HSV	271°, 45%, 58%
XYZ	15.4902, 11.7360, 29.4658
YIQ	99.1030, -0.6470, 28.2570

Conversions

Conversions Part 2

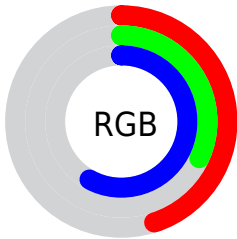
Format	Color
R_{YB}	116, 81, 148
Decimal	7623060
CIE _{Lab}	40.79, 28.31, -31.45
CIE _{LCh}	41, 42.314, 312.001
Yxy	11.7360, 0.2732, 0.2070
Android (android.graphics.Color)	4285813140 (0xFF745194)
YUV	99.1030, 24.1062, 14.8187
Hunter-Lab	34.2578, 20.7602, -27.0159

Details

The XYZ color **15.4902, 11.7360, 29.4658** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.8854, 25.2848, 11.6701**, and the grayscale version is **11.8273, 12.4433, 13.5507**.

A 20% lighter version of the original color is **35.1392, 28.9319, 59.6095**, and **5.0055, 3.2234, 11.6676** is the 20% darker color. If you saturate the color by 10%, you get **13.6038, 9.3052, 29.0962**, and if you desaturate by 10%, it is **17.6886, 14.6840, 29.9192**.

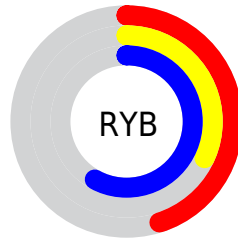
Distribution



Red (45%)

Green (32%)

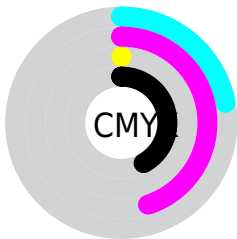
Blue (58%)



Red (45%)

Yellow (32%)

Blue (58%)

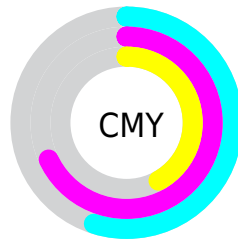


Cyan (22%)

Magenta (45%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (68%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4902, 11.7360, 29.4658 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 15.4902, 11.7360, 29.4658 by changing the saturation by 10% instead.

■ 15.4902, 11.7360,
29.4658

■ 15.4902, 11.7360,
29.4658

219.6444,
202.6496, 313.5359

■ 9.2527, 6.5642,
19.1849

■ 35.2755, 29.0134,
59.8673

■ 4.9648, 3.1911,
11.6258

■ 49.5540, 41.8877,
80.8250

■ 2.2612, 1.2323,
6.3700

■ 67.2436, 58.0983,
106.1787

■ 0.7747, 0.0878,
2.9989

■ 88.7095, 78.0296,
136.3469

■ 0.0000, 0.0000,
1.0941

■ 114.3172,
102.0660, 171.7482

■ 0.0000, 0.0000,
0.0000

144.4320,

130.5919, 212.8011

179.4193,
163.9916, 259.9241

■ 15.4902, 11.7360,
29.4658

■ 15.4902, 11.7360,
29.4658

■ 13.6038, 9.3052,
29.0962

■ 17.6886, 14.6840,
29.9192

■ 12.0110, 7.3580,
28.8043

■ 20.2137, 18.1773,
30.4603

■ 10.6927, 5.8586,
28.5844

■ 23.0806, 22.2434,
31.0941

■ 9.6272, 4.7658,
28.4296

■ 26.3029, 26.9077,
31.8245

■ 8.7855, 4.0244,
28.3309

■ 29.8937, 32.1940,
32.6556

■ 8.4313, 3.7290,
28.2925

■ 33.8651, 38.1247,
33.5911

■ 38.2288, 44.7211,
34.6343

■ 42.9959, 52.0036,
35.7887

■ 48.1771, 59.9916,
37.0575

Harmonies

Analogous

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



12.4012, 11.7360, 36.7966



15.4902, 11.7360, 29.4658



17.6099, 11.7360, 18.6114

Triad

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



15.4902, 11.7360, 29.4658



13.0393, 11.7360, 2.6113



6.3995, 11.7360, 16.5418

Complementary

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



15.4902, 11.7360, 29.4658



18.8854, 25.2848, 11.6701

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.



6.5083, 11.7360, 8.3127



15.4902, 11.7360, 29.4658



9.9947, 11.7360, 2.4588

Square

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



15.4902, 11.7360, 29.4658



16.0291, 11.7360, 4.5899



7.7146, 11.7360, 3.9979



7.3847, 11.7360, 27.3777

Rectangle

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



15.4902, 11.7360, 29.4658



17.9917, 11.7360, 12.2088



7.7146, 11.7360, 3.9979



6.3150, 11.7360, 13.3657

Sweetspot

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



15.4906, 11.7365, 29.4661



41.2585, 40.0136, 54.9834



14.6870, 15.7839, 30.2896



9.1760, 8.7867, 12.4972



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.



15.4906, 11.7365, 29.4661



24.0617, 16.4921, 51.3497



20.4128, 14.2841, 29.2372



5.7712, 5.7730, 7.2799



7.2333, 3.2015, 24.1677



0.1226, 0.0567, 0.2974

Inverse Universe

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



18.1361, 13.3734, 17.2485



29.5734, 19.8989, 26.0620



15.5110, 23.5404, 11.7326



5.9092, 5.8588, 6.6281



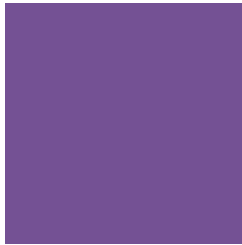
11.4082, 5.7683, 5.6303



0.1544, 0.0765, 0.1465

Previews

White Background



This preview shows how the XYZ color 15.4902, 11.7360, 29.4658 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

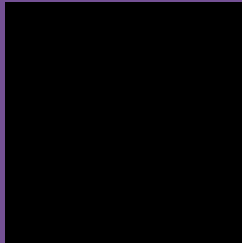
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4902, 11.7360, 29.4658

Background



This preview shows how black text looks on a background with the XYZ color 15.4902, 11.7360, 29.4658.



This preview shows how white text looks on a background with the XYZ color 15.4902, 11.7360,

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

15.4902, 11.7360, 29.4658

Protanopia

12.8737, 11.8456, 34.8656

Deuteranopia

12.1177, 11.8659, 28.4397



Tritanopia

12.2636, 11.7433, 13.4247

Trichromacy



Original Color

15.4902, 11.7360, 29.4658

Protanomaly

13.5036, 11.5713, 32.9743

Deuteranomaly

13.0492, 11.6813, 28.7611

Tritanomaly

13.2562, 11.6433, 18.3783

Monochromacy



Original Color

15.4902, 11.7360, 29.4658

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

12.8637, 11.9419, 18.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4902, 11.7360, 29.4658 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(116, 81, 148)` looks like.

```
.text, #text, p{  
    color:rgb(116, 81, 148)  
}
```

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(116, 81, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 81, 148) }
```

Border

The CSS property to change the border of an element to XYZ 15.4902, 11.7360, 29.4658 is called "border". The border property can be set on classes, ids or directly on the HTML element.

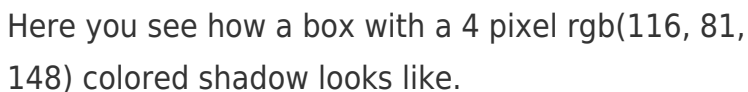
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 81, 148) }
```


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

```
.border{ border-color:rgb(116, 81, 148) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 81, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 81, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 81, 148); box-shadow:4px 4px 4px 4px rgb(116, 81, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4902, 11.7360, 29.4658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 81, 148) }
```

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

```
.background{ background-color: rgb(116, 81,  
148) }
```

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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