

Converting Colors

XYZ(15.3730, 11.9166, 16.1337)

Have a look what the booklet for
XYZ(15.3730, 11.9166, 16.1337)
contains.

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Color

**XYZ(15.4298, 11.9972,
16.2543)**

Conversions

Conversions Part 1

Format	Color
Hex	85516E
RGB	133, 81, 110
RGB Percent	52%, 32%, 43%
CMY	0.4784, 0.6823, 0.5686
CMYK	0.00, 0.39, 0.17, 0.48
HSL	327°, 24%, 42%
HSV	327°, 39%, 52%
XYZ	15.4298, 11.9972, 16.2543
YIQ	99.8540, 21.6830, 20.0430

Conversions

Conversions Part 2

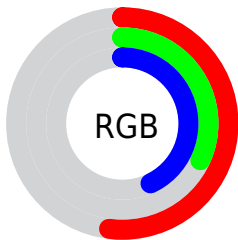
Format	Color
R_{YB}	133, 81, 110
Decimal	8737134
CIE _{Lab}	41.21, 26.16, -7.46
CIE _{LCh}	41, 27.198, 344.091
Yxy	11.9972, 0.3532, 0.2747
Android (android.graphics.Color)	4286927214 (0xFF85516E)
YUV	99.8540, 5.0020, 29.0690
Hunter-Lab	34.6370, 18.9020, -3.5775

Details

The XYZ color **15.4298, 11.9972, 16.2543** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **14.2801, 19.5243, 16.1136**, and the grayscale version is **12.0601, 12.6881, 13.8174**.

A 20% lighter version of the original color is **35.1314, 29.4060, 38.0067**, and **4.9212, 3.2857, 4.9323** is the 20% darker color. If you saturate the color by 10%, you get **14.2269, 10.0869, 14.3251**, and if you desaturate by 10%, it is **16.8483, 14.3043, 18.3605**.

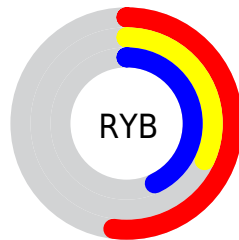
Distribution



Red (52%)

Green (32%)

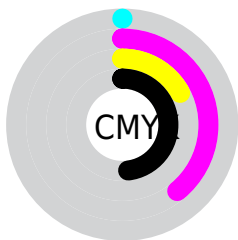
Blue (43%)



Red (52%)

Yellow (32%)

Blue (43%)

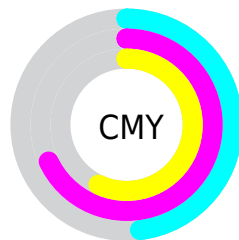


Cyan (0%)

Magenta (39%)

Yellow (17%)

Black (48%)



Cyan (48%)

Magenta (68%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.4298, 11.9972, 16.2543 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 15.4298, 11.9972, 16.2543 by changing the saturation by 10% instead.

15.4298, 11.9972,
16.2543

15.4298, 11.9972,
16.2543

219.2903,
204.3868, 242.7344

9.2099, 6.7418,
9.5480

35.1709, 29.4900,
37.8120

4.9365, 3.3011,
4.9986

49.4228, 42.4962,
53.5005

2.2444, 1.2909,
2.1877

67.0828, 58.8547,
73.0202

0.7660, 0.1341,
0.6673

88.5161, 78.9500,
96.7895

0.0000, 0.0000,
0.0000

114.0881,
103.1665, 125.2270

144.1643,

131.8885, 158.7513

179.1099,
165.5005, 197.7809

■ 15.4298, 11.9972,
16.2543

■ 15.4298, 11.9972,
16.2543

■ 14.2269, 10.0869,
14.3251

■ 16.8483, 14.3043,
18.3605

■ 13.2267, 8.5489,
12.5664

■ 18.4922, 17.0276,
20.6487

■ 12.4167, 7.3585,
10.9718

■ 20.3719, 20.1872,
23.1242


■ 11.7822, 6.4873,
9.5345


■ 22.4968, 23.8014,
25.7922


■ 11.3066, 5.9023,
8.2466


■ 24.8758, 27.8873,
28.6574


 10.9459, 5.5166,
7.0912

 27.5175, 32.4614,
31.7244

 10.9147, 5.4833,
6.9918

 30.4298, 37.5391,
34.9977

 33.6205, 43.1354,
38.4814

 37.0969, 49.2645,
42.1797

Harmonies

Analogous

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



14.2347, 11.9972, 22.4620



15.4298, 11.9972, 16.2543



15.4677, 11.9972, 10.6049

Triad

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



15.4298, 11.9972, 16.2543



10.5089, 11.9972, 5.1356



8.9021, 11.9972, 22.1158

Complementary

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



15.4298, 11.9972, 16.2543



14.2801, 19.5243, 16.1136

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.



8.1211, 11.9972, 15.8741



15.4298, 11.9972, 16.2543



8.9741, 11.9972, 6.7376

Square

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



15.4298, 11.9972, 16.2543



12.4688, 11.9972, 5.1834



8.1458, 11.9972, 10.3192



10.3997, 11.9972, 26.4532

Rectangle

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



15.4298, 11.9972, 16.2543



14.8216, 11.9972, 7.8943



8.1458, 11.9972, 10.3192



8.5552, 11.9972, 20.1035

Sweetspot

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



15.4302, 11.9978, 16.2545



35.3653, 34.2665, 39.9649



12.8315, 10.4942, 23.5398



7.8866, 7.5838, 8.8980



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



15.4302, 11.9978, 16.2545



25.6814, 18.3835, 25.9938



14.2344, 11.5194, 9.9576



4.7732, 4.7290, 5.4178



10.4005, 5.2245, 6.6813



0.0397, 0.0196, 0.0425

Inverse Universe

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



15.4302, 11.9978, 16.2545



25.6814, 18.3835, 25.9938



15.7793, 20.1239, 24.0082



4.7732, 4.7290, 5.4178



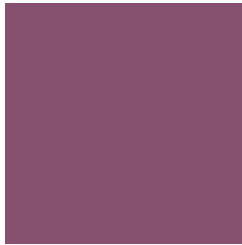
10.4005, 5.2245, 6.6813



0.0397, 0.0196, 0.0425

Previews

White Background



This preview shows how the XYZ color 15.4298, 11.9972, 16.2543 looks on a white background.

Color Contrast Check

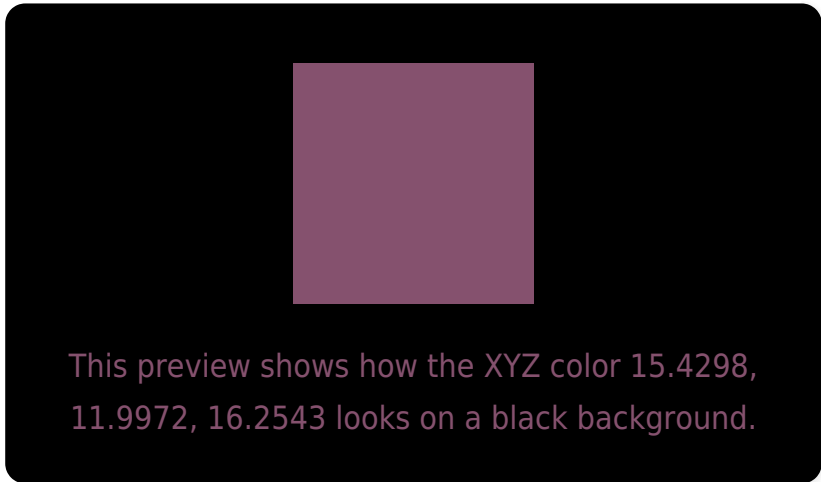
Large Text (above 18pt) WCAG AA ✓ Pass

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

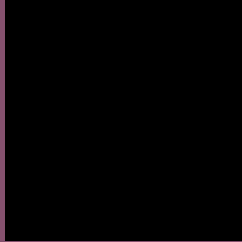
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.4298, 11.9972, 16.2543

Background



This preview shows how black text looks on a background with the XYZ color 15.4298, 11.9972, 16.2543.



This preview shows how white text looks on a background with the XYZ color 15.4298, 11.9972,

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

15.4298, 11.9972, 16.2543

Protanopia

12.0785, 12.1808, 19.4838

Deuteranopia

12.2785, 12.0919, 15.8742



Tritanopia

14.4969, 12.0776, 11.4647

Trichromacy



Original Color

15.4298, 11.9972, 16.2543

Protanomaly

12.9569, 11.8689, 18.1310

Deuteranomaly

13.2265, 11.9272, 16.0731

Tritanomaly

14.8906, 12.1280, 13.1114

Monochromacy



Original Color

15.4298, 11.9972, 16.2543

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

13.0951, 12.2729, 14.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.4298, 11.9972, 16.2543 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(133, 81, 110)` looks like.

```
.text, #text, p{  
    color:rgb(133, 81, 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(133, 81, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 81, 110) }
```

Border

The CSS property to change the border of an element to XYZ 15.4298, 11.9972, 16.2543 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(133, 81, 110) }
```


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

```
.border{ border-color:rgb(133, 81, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 81, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 81, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 81, 110);  
box-shadow:4px 4px 4px 4px rgb(133, 81,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 15.4298, 11.9972, 16.2543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 81, 110) }
```

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

```
.background{ background-color: rgb(133, 81,  
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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