

Converting Colors

XYZ(16.4762, 11.5838, 27.2748)

Have a look what the booklet for
XYZ(16.4762, 11.5838, 27.2748)
contains.

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Color

**XYZ(16.4600, 11.5479,
27.3480)**

Conversions

Conversions Part 1

Format	Color
Hex	814A8F
RGB	129, 74, 143
RGB Percent	51%, 29%, 56%
CMY	0.4941, 0.7098, 0.4392
CMYK	0.10, 0.48, 0.00, 0.44
HSL	288°, 32%, 43%
HSV	288°, 48%, 56%
XYZ	16.4600, 11.5479, 27.3480
YIQ	98.3110, 10.6310, 33.1190

Conversions

Conversions Part 2

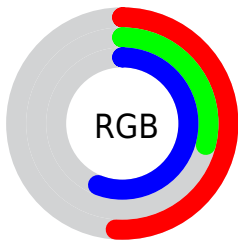
Format	Color
R_{YB}	129, 74, 143
Decimal	8473231
CIE _{Lab}	40.49, 35.21, -28.79
CIE _{LCh}	40, 45.488, 320.727
Yxy	11.5479, 0.2973, 0.2086
Android (android.graphics.Color)	4286663311 (0xFF814A8F)
YUV	98.3110, 22.0317, 26.9143
Hunter-Lab	33.9822, 26.9914, -23.9275

Details

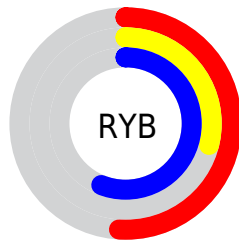
The XYZ color **16.4600, 11.5479, 27.3480** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **15.0834, 22.2143, 9.9719**, and the grayscale version is **11.6323, 12.2380, 13.3272**.

A 20% lighter version of the original color is **36.8141, 28.5138, 56.3867**, and **5.4430, 3.1312, 10.4427** is the 20% darker color. If you saturate the color by 10%, you get **15.1772, 9.6271, 27.0450**, and if you desaturate by 10%, it is **17.9731, 13.9102, 27.7244**.

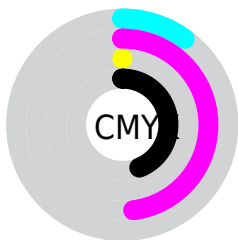
Distribution



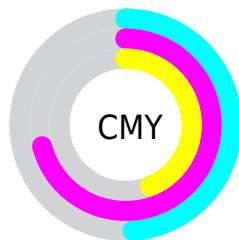
- Red (51%)
- Green (29%)
- Blue (56%)



- Red (51%)
- Yellow (29%)
- Blue (56%)



- Cyan (10%)
- Magenta (48%)
- Yellow (0%)
- Black (44%)



- Cyan (49%)
- Magenta (71%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4600, 11.5479, 27.3480 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 16.4600, 11.5479, 27.3480 by changing the saturation by 10% instead.

■ 16.4600, 11.5479,
27.3480

■ 16.4600, 11.5479,
27.3480

225.2584,
201.3888, 303.1515

■ 9.9431, 6.4366,
17.6000

■ 36.9460, 28.6690,
56.4523

■ 5.4233, 3.1124,
10.4967

■ 51.6459, 41.4476,
76.6457

■ 2.5350, 1.1907,
5.6196

■ 69.8041, 57.5507,
101.1580

■ 0.9129, 0.0541,
2.5502

■ 91.7861, 77.3629,
130.4077

■ 0.0000, 0.0000,
0.8666

■ 117.9571,
101.2683, 164.8133

■ 0.0000, 0.0000,
0.0000

148.6826,

129.6516, 204.7935

184.3279,
162.8969, 250.7667

■ 16.4600, 11.5479,
27.3480

■ 16.4600, 11.5479,
27.3480

■ 15.1772, 9.6271,
27.0450

■ 17.9731, 13.9102,
27.7244

■ 14.1086, 8.1165,
26.8098

■ 19.7290, 16.7396,
28.1780

■ 13.2377, 6.9829,
26.6369

■ 21.7405, 20.0614,
28.7131

■ 12.5448, 6.1874,
26.5198

■ 24.0193, 23.8988,
29.3337

■ 11.9891, 5.6482,
26.4451

■ 26.5763, 28.2732,
30.0433

■ 11.8957, 5.5597,
26.4329

■ 29.4217, 33.2053,
30.8453

■ 32.5652, 38.7141,
31.7429

■ 36.0161, 44.8181,
32.7393

■ 39.7833, 51.5349,
33.8372

Harmonies

Analogous

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



13.3002, 11.5479, 37.2967



16.4600, 11.5479, 27.3480



18.2353, 11.5479, 15.6316

Triad

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



16.4600, 11.5479, 27.3480



11.9973, 11.5479, 1.9695



6.1693, 11.5479, 19.8962

Complementary

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



16.4600, 11.5479, 27.3480



15.0834, 22.2143, 9.9719

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.



5.9554, 11.5479, 9.9431



16.4600, 11.5479, 27.3480



8.9396, 11.5479, 2.2460

Square

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



16.4600, 11.5479, 27.3480



15.3486, 11.5479, 3.2721



6.8693, 11.5479, 4.3937



7.5243, 11.5479, 31.7375

Rectangle

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



16.4600, 11.5479, 27.3480



18.1973, 11.5479, 9.5714



6.8693, 11.5479, 4.3937



5.9734, 11.5479, 16.1462

Sweetspot

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



16.4604, 11.5484, 27.3483



40.4889, 38.5312, 51.8413



11.3507, 10.5760, 27.4299



9.1065, 8.5365, 11.8399



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



16.4604, 11.5484, 27.3483



26.9766, 16.9449, 48.3869



17.3802, 12.1790, 20.3221



5.5206, 5.4566, 6.7910



10.5352, 4.9247, 23.3724



0.1182, 0.0561, 0.2243

Inverse Universe

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



15.5383, 11.4423, 10.6226



25.3281, 16.8545, 13.9974



14.6471, 21.9011, 13.9400



5.4509, 5.4409, 5.8722



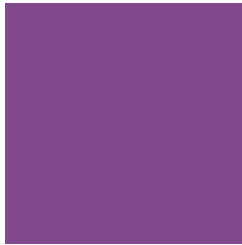
10.2186, 5.2444, 1.5363



0.1043, 0.0528, 0.0493

Previews

White Background



This preview shows how the XYZ color 16.4600, 11.5479, 27.3480 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



This preview shows how the XYZ color 16.4600, 11.5479, 27.3480 looks on a 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 16.4600, 11.5479, 27.3480

Background



This preview shows how black text looks on a background with the XYZ color 16.4600, 11.5479, 27.3480.



This preview shows how white text looks on a background with the XYZ color 16.4600, 11.5479,

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

16.4600, 11.5479, 27.3480

Protanopia

12.7318, 11.7724, 34.8590

Deuteranopia

11.8943, 11.6682, 26.0514



Tritanopia

13.3296, 11.5835, 11.8892

Trichromacy



Original Color

16.4600, 11.5479, 27.3480

Protanomaly

13.4574, 11.3231, 32.0482

Deuteranomaly

13.0716, 11.2512, 26.2937

Tritanomaly

14.3440, 11.5423, 16.5108

Monochromacy



Original Color

16.4600, 11.5479, 27.3480

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.9163, 11.6109, 17.4799

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4600, 11.5479, 27.3480 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(129, 74, 143)` looks like.

```
.text, #text, p{  
    color:rgb(129, 74, 143)  
}
```

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(129, 74, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 74, 143) }
```

Border

The CSS property to change the border of an element to XYZ 16.4600, 11.5479, 27.3480 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(129, 74, 143) }
```


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

```
.border{ border-color:rgb(129, 74, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 74, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 74, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 74, 143);  
box-shadow:4px 4px 4px 4px rgb(129, 74,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 16.4600, 11.5479, 27.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 74, 143) }
```

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

```
.background{ background-color: rgb(129, 74,  
143) }
```

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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