

Converting Colors

XYZ(16.8861, 14.3506, 27.4727)

Have a look what the booklet for
XYZ(16.8861, 14.3506, 27.4727)
contains.

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Color

**XYZ(16.9505, 14.3837,
27.4741)**

Conversions

Conversions Part 1

Format	Color
Hex	79608E
RGB	121, 96, 142
RGB Percent	47%, 38%, 56%
CMY	0.5255, 0.6235, 0.4431
CMYK	0.15, 0.32, 0.00, 0.44
HSL	273°, 19%, 47%
HSV	273°, 32%, 56%
XYZ	16.9505, 14.3837, 27.4741
YIQ	108.7190, 0.1340, 19.6060

Conversions

Conversions Part 2

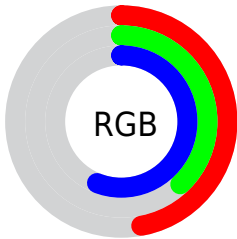
Format	Color
R_{YB}	121, 96, 142
Decimal	7954574
CIE _{Lab}	44.78, 19.46, -21.59
CIE _{LCh}	45, 29.070, 312.033
Yxy	14.3837, 0.2882, 0.2446
Android (android.graphics.Color)	4286144654 (0xFF79608E)
YUV	108.7190, 16.4075, 10.7704
Hunter-Lab	37.9258, 13.4082, -16.4025

Details

The XYZ color **16.9505, 14.3837, 27.4741** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.1209, 23.9728, 14.6864**, and the grayscale version is **14.4118, 15.1623, 16.5117**.

A 20% lighter version of the original color is **37.8531, 33.8516, 56.7635**, and **5.7026, 4.3470, 10.6637** is the 20% darker color. If you saturate the color by 10%, you get **14.8920, 11.5702, 27.0398**, and if you desaturate by 10%, it is **19.3050, 17.6980, 27.9900**.

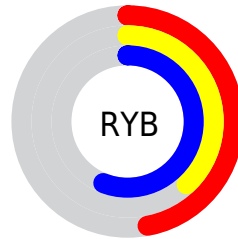
Distribution



Red (47%)

Green (38%)

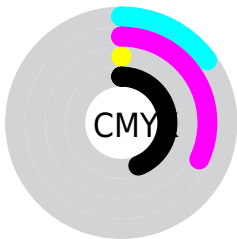
Blue (56%)



Red (47%)

Yellow (38%)

Blue (56%)

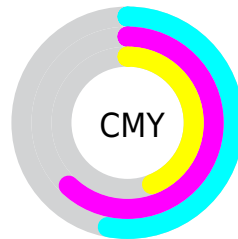


Cyan (15%)

Magenta (32%)

Yellow (0%)

Black (44%)



Cyan (53%)

Magenta (62%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9505, 14.3837, 27.4741 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 16.9505, 14.3837, 27.4741 by changing the saturation by 10% instead.

■ 16.9505, 14.3837,
27.4741

■ 16.9505, 14.3837,
27.4741

228.0488,
219.6050, 303.7778

■ 10.2943, 8.3880,
17.6940

■ 37.7849, 33.7683,
56.6567

■ 5.6583, 4.3442,
10.5634

■ 52.6938, 47.9260,
76.8962

■ 2.6771, 1.8679,
5.6636

■ 71.0844, 65.5732,
101.4594

■ 0.9854, 0.5290,
2.5762

■ 93.3219, 87.0943,
130.7647

■ 0.0000, 0.0000,
0.8801

119.7717,
112.8736, 165.2306

■ 0.0000, 0.0000,
0.0000

150.7993,

143.2955, 205.2758

186.7698,
178.7445, 251.3187

■ 16.9505, 14.3837,
27.4741

■ 16.9505, 14.3837,
27.4741

■ 14.8920, 11.5702,
27.0398

■ 19.3050, 17.6980,
27.9900

■ 13.1144, 9.2297,
26.6817

■ 21.9670, 21.5351,
28.5903

■ 11.6030, 7.3348,
26.3956

■ 24.9489, 25.9180,
29.2791

■ 10.3413, 5.8540,
26.1763

■ 28.2620, 30.8678,
30.0599

■ 9.3106, 4.7519,
26.0179

■ 31.9171, 36.4043,
30.9359

■ 8.4887, 3.9864,
25.9134

■ 35.9245, 42.5465,
31.9103

■ 7.9571, 3.5380,
25.8549

■ 40.2938, 49.3123,
32.9859

■ 45.0346, 56.7191,
34.1657

■ 50.1558, 64.7836,
35.4524

Harmonies

Analogous

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



14.6422, 14.3837, 32.1802



16.9505, 14.3837, 27.4741



18.4734, 14.3837, 20.0357

Triad

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



16.9505, 14.3837, 27.4741



15.1237, 14.3837, 6.2470



9.6858, 14.3837, 18.5389

Complementary

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



16.9505, 14.3837, 27.4741



19.1209, 23.9728, 14.6864

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.



9.7830, 14.3837, 11.9752



16.9505, 14.3837, 27.4741



12.7442, 14.3837, 6.0597

Square

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



16.9505, 14.3837, 27.4741



17.3378, 14.3837, 8.4550



10.8449, 14.3837, 7.8382



10.5619, 14.3837, 26.1098

Rectangle

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



16.9505, 14.3837, 27.4741



18.7425, 14.3837, 15.2035



10.8449, 14.3837, 7.8382



9.6088, 14.3837, 16.1284

Sweetspot

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



16.9510, 14.3843, 27.4744



39.8365, 39.5801, 50.6680



16.1227, 17.2720, 28.0755



8.7586, 8.6372, 11.2850



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



16.9510, 14.3843, 27.4744



27.1495, 21.6022, 47.8666



20.1067, 16.0243, 27.0252



5.3920, 5.3903, 6.7850



7.1656, 3.1876, 23.2147



0.0940, 0.0436, 0.2231

Inverse Universe

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



18.5496, 15.4015, 18.8254



30.5518, 23.7631, 29.6375



16.6800, 22.7062, 14.9444



5.5048, 5.4625, 6.1565



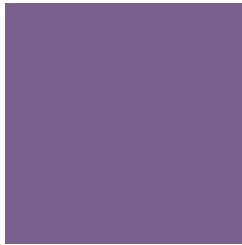
10.8771, 5.5079, 5.0042



0.1149, 0.0570, 0.1052

Previews

White Background



This preview shows how the XYZ color 16.9505, 14.3837, 27.4741 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 16.9505, 14.3837, 27.4741 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

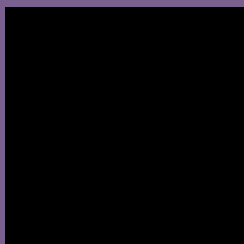
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

XYZ 16.9505, 14.3837, 27.4741

Background



This preview shows how black text looks on a background with the XYZ color 16.9505, 14.3837, 27.4741.



This preview shows how white text looks on a background with the XYZ color 16.9505, 14.3837,

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

16.9505, 14.3837, 27.4741

Protanopia

14.9906, 14.6002, 30.4618

Deuteranopia

14.7209, 14.3907, 26.8128



Tritanopia

14.7683, 14.3415, 16.7417

Trichromacy



Original Color

16.9505, 14.3837, 27.4741

Protanomaly

15.5332, 14.4616, 29.1668

Deuteranomaly

15.4053, 14.2946, 27.1465

Tritanomaly

15.5412, 14.3710, 20.3671

Monochromacy



Original Color

16.9505, 14.3837, 27.4741

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.2116, 14.7918, 20.1425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9505, 14.3837, 27.4741 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(121, 96, 142)` looks like.

```
.text, #text, p{  
    color:rgb(121, 96, 142)  
}
```

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(121, 96, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 96, 142) }
```

Border

The CSS property to change the border of an element to XYZ 16.9505, 14.3837, 27.4741 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(121, 96, 142) }
```


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

```
.border{ border-color:rgb(121, 96, 142) }
```

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

Here you see how a box with a 4 pixel rgb(121, 96, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 96, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 96, 142);  
box-shadow:4px 4px 4px 4px rgb(121, 96,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9505, 14.3837, 27.4741 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 96, 142) }
```

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

```
.background{ background-color: rgb(121, 96,  
142) }
```

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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