

Converting Colors

XYZ(21.7441, 16.5249, 12.8713)

Have a look what the booklet for
XYZ(21.7441, 16.5249, 12.8713)
contains.

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Color

**XYZ(21.7430, 16.5239,
12.8699)**

Conversions

Conversions Part 1

Format	Color
Hex	A75B5F
RGB	167, 91, 95
RGB Percent	65%, 36%, 37%
CMY	0.3451, 0.6431, 0.6274
CMYK	0.00, 0.46, 0.43, 0.35
HSL	357°, 30%, 51%
HSV	357°, 46%, 65%
XYZ	21.7430, 16.5239, 12.8699
YIQ	114.1800, 44.0120, 17.3560

Conversions

Conversions Part 2

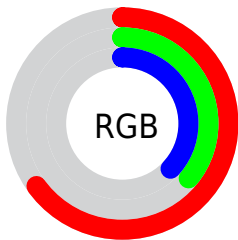
Format	Color
RYB	167, 91, 95
Decimal	10967903
CIELab	47.65, 31.42, 11.60
CIELCh	48, 33.494, 20.257
Yxy	16.5239, 0.4252, 0.3231
Android (android.graphics.Color)	4289157983 (0xFFA75B5F)
YUV	114.1800, -9.4557, 46.3231
Hunter-Lab	40.6496, 24.3408, 9.6832

Details

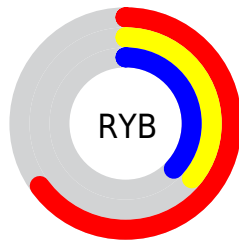
The XYZ color **21.7430, 16.5239, 12.8699** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.7448, 32.5063, 39.6225**, and the grayscale version is **16.0670, 16.9037, 18.4081**.

A 20% lighter version of the original color is **45.9846, 37.6968, 31.6406**, and **8.0644, 5.3224, 3.5080** is the 20% darker color. If you saturate the color by 10%, you get **19.8233, 13.7210, 9.0349**, and if you desaturate by 10%, it is **24.1273, 20.0223, 17.5808**.

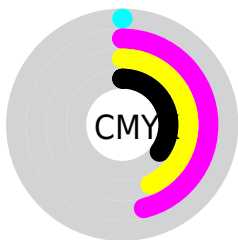
Distribution



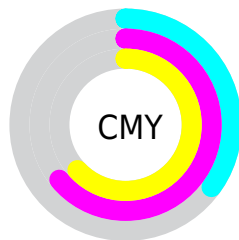
- Red (65%)
- Green (36%)
- Blue (37%)



- Red (65%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (46%)
- Yellow (43%)
- Black (35%)





- Cyan (35%)
- Magenta (64%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7430, 16.5239, 12.8699 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 21.7430, 16.5239, 12.8699 by changing the saturation by 10% instead.


 21.7430, 16.5239,
12.8699


 21.7430, 16.5239,
12.8699


253.8589,
232.4136, 221.2606


 13.7837, 9.8956,
7.2093


 45.8029, 37.5054,
31.7576


 8.0511, 5.3298,
3.5129


 62.6342, 52.6273,
45.8218

 4.1797, 2.4420,
1.3621

 83.1536, 71.3493,
63.5244

 1.8043, 0.8474,
0.1119

 107.7264, 94.0558,
85.2838

 0.5203, 0.0000,
0.0000

136.7180,
121.1310, 111.5186

 0.0000, 0.0000,
0.0000

170.4937,

152.9595, 142.6473

209.4189,
189.9255, 179.0885

■ 21.7430, 16.5239,
12.8699

■ 21.7430, 16.5239,
12.8699

■ 19.8233, 13.7210,
9.0349

■ 24.1273, 20.0223,
17.5808

■ 18.3368, 11.5648,
6.0208

■ 27.0025, 24.2555,
23.2160

■ 17.2499, 10.0044,
3.7681

■ 30.3943, 29.2632,
29.8216


■ 16.5240, 8.9800,
2.2085


■ 34.3264, 35.0813,
37.4402


■ 16.1105, 8.4155,
1.2612


■ 38.8209, 41.7434,
46.1120

 15.9844, 8.2347,
0.9991

 43.8987, 49.2813,
55.8749

 49.5798, 57.7252,
66.7650

 55.8829, 67.1038,
78.8168

 62.8263, 77.4445,
92.0630

Harmonies

Analogous

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



22.0836, 16.5239, 20.9259



21.7430, 16.5239, 12.8699



19.6773, 16.5239, 8.0655

Triad

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



21.7430, 16.5239, 12.8699



11.6850, 16.5239, 9.3814



14.7521, 16.5239, 39.5994

Complementary

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



21.7430, 16.5239, 12.8699



24.7448, 32.5063, 39.6225

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.



12.3077, 16.5239, 33.8624



21.7430, 16.5239, 12.8699



10.6914, 16.5239, 15.3455

Square

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



21.7430, 16.5239, 12.8699



13.7971, 16.5239, 6.5403



10.9039, 16.5239, 24.3188



17.7822, 16.5239, 38.2922

Rectangle

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



21.7430, 16.5239, 12.8699



17.7297, 16.5239, 6.5147



10.9039, 16.5239, 24.3188



13.8415, 16.5239, 38.3758

Sweetspot

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



21.7434, 16.5247, 12.8702



55.2625, 53.6330, 55.0168



25.6034, 17.9475, 38.6739



12.0602, 11.5489, 11.7163



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



21.7434, 16.5247, 12.8702



35.3544, 24.3580, 15.8831



25.0245, 23.3702, 13.0906



7.5465, 7.5485, 7.9291



12.2373, 6.3036, 0.7950



0.3026, 0.1553, 0.0448

Inverse Universe

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



21.7434, 16.5247, 12.8702



35.3544, 24.3580, 15.8831



19.8245, 22.0836, 39.7769



7.5465, 7.5485, 7.9291



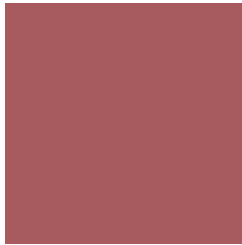
12.2373, 6.3036, 0.7950



0.3026, 0.1553, 0.0448

Previews

White Background



This preview shows how the XYZ color 21.7430, 16.5239, 12.8699 looks on a white background.

Color Contrast Check

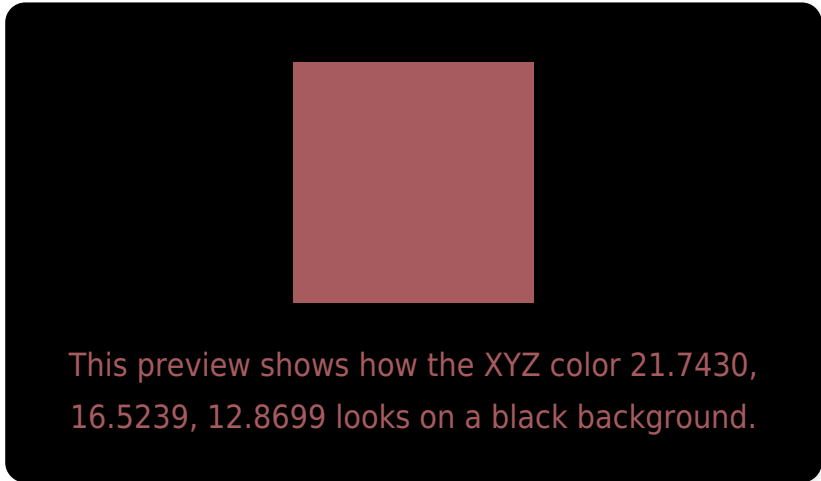
Large Text (above 18pt) WCAG AA ✓ Pass

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

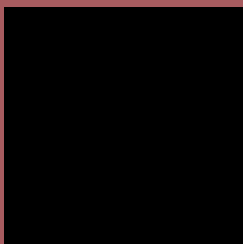
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.7430, 16.5239, 12.8699

Background



This preview shows how black text looks on a background with the XYZ color 21.7430, 16.5239, 12.8699.



This preview shows how white text looks on a background with the XYZ color 21.7430, 16.5239,

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

21.7430, 16.5239, 12.8699

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

16.9161, 16.6155, 12.4408



Tritanopia

21.8351, 16.5607, 13.3550

Trichromacy



Original Color

21.7430, 16.5239, 12.8699

Protanomaly

17.4415, 16.2134, 14.7806

Deuteranomaly

18.4042, 16.3128, 12.5346

Tritanomaly

21.7888, 16.5422, 13.1109

Monochromacy



Original Color

21.7430, 16.5239, 12.8699

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.4807, 16.3562, 16.1456

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7430, 16.5239, 12.8699 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(167, 91, 95)` looks like.

```
.text, #text, p{  
    color:rgb(167, 91, 95)  
}
```

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(167, 91, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 91, 95) }
```

Border

The CSS property to change the border of an element to XYZ 21.7430, 16.5239, 12.8699 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(167, 91, 95) }
```


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

```
.border{ border-color:rgb(167, 91, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 91, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 91, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 91, 95);  
box-shadow:4px 4px 4px 4px rgb(167, 91,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7430, 16.5239, 12.8699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 91, 95) }
```

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

```
.background{ background-color: rgb(167, 91,  
95) }
```

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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