

Converting Colors

XYZ(21.5972, 16.3853, 15.3264)

Have a look what the booklet for
XYZ(21.5972, 16.3853, 15.3264)
contains.

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Color

**XYZ(21.6007, 16.3946,
15.3906)**

Conversions

Conversions Part 1

Format	Color
Hex	A45B69
RGB	164, 91, 105
RGB Percent	64%, 36%, 41%
CMY	0.3569, 0.6431, 0.5882
CMYK	0.00, 0.45, 0.36, 0.36
HSL	348°, 29%, 50%
HSV	348°, 45%, 64%
XYZ	21.6007, 16.3946, 15.3906
YIQ	114.4230, 39.0140, 19.8300

Conversions

Conversions Part 2

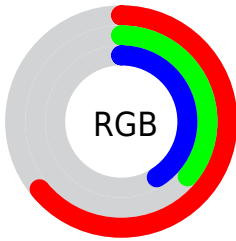
Format	Color
RYB	164, 91, 105
Decimal	10771305
CIELab	47.49, 31.47, 5.28
CIElCh	47, 31.911, 9.523
Yxy	16.3946, 0.4046, 0.3071
Android (android.graphics.Color)	4288961385 (0xFFA45B69)
YUV	114.4230, -4.6455, 43.4790
Hunter-Lab	40.4902, 24.3681, 5.8067

Details

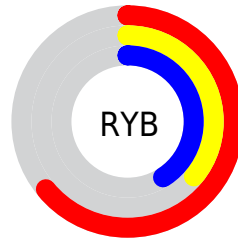
The XYZ color **21.6007, 16.3946, 15.3906** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0956, 30.9774, 33.6178**, and the grayscale version is **16.1271, 16.9670, 18.4770**.

A 20% lighter version of the original color is **45.6420, 37.4174, 36.2692**, and **8.0221, 5.2764, 4.5986** is the 20% darker color. If you saturate the color by 10%, you get **19.7198, 13.6395, 11.6602**, and if you desaturate by 10%, it is **23.8951, 19.8066, 19.7831**.

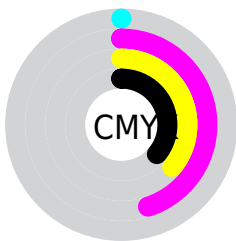
Distribution



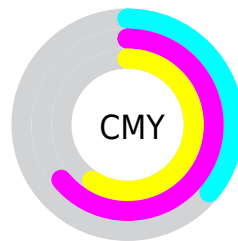
- Red (64%)
- Green (36%)
- Blue (41%)



- Red (64%)
- Yellow (36%)
- Blue (41%)



- Cyan (0%)
- Magenta (45%)
- Yellow (36%)
- Black (36%)




- Cyan (36%)
- Magenta (64%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.6007, 16.3946, 15.3906 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 21.6007, 16.3946, 15.3906 by changing the saturation by 10% instead.


 21.6007, 16.3946,
15.3906


 21.6007, 16.3946,
15.3906


253.1256,
231.6590, 237.4401


 13.6788, 9.8038,
8.9443


 45.5689, 37.2819,
36.2889


 7.9778, 5.2691,
4.6086


 62.3459, 52.3472,
51.5780

 4.1324, 2.4060,
1.9648


 82.8053, 71.0061,
70.6518

 1.7773, 0.8290,
0.5335

 107.3125, 93.6431,
93.9288

 0.5039, 0.0000,
0.0000

136.2327,
120.6425, 121.8276

 0.0000, 0.0000,
0.0000

169.9314,

152.3887, 154.7668

208.7739,
189.2660, 193.1647

■ 21.6007, 16.3946,
15.3906

■ 21.6007, 16.3946,
15.3906

■ 19.7198, 13.6395,
11.6602

■ 23.8951, 19.8066,
19.7831

■ 18.2260, 11.4964,
8.5585

■ 26.6245, 23.9115,
24.8671

■ 17.0918, 9.9190,
6.0504


■ 29.8107, 28.7457,
30.6713


■ 16.2855, 8.8529,
4.0967


■ 33.4735, 34.3423,
37.2224


■ 15.7692, 8.2326,
2.6534


■ 37.6315, 40.7323,
44.5459

 15.5630, 7.9938,
2.0500

 42.3024, 47.9451,
52.6660

 47.5028, 56.0086,
61.6057

 53.2489, 64.9492,
71.3872

 59.5560, 74.7924,
82.0320

Harmonies

Analogous

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



21.2676, 16.3946, 23.8884



21.6007, 16.3946, 15.3906



20.1771, 16.3946, 9.6449

Triad

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



21.6007, 16.3946, 15.3906



12.3645, 16.3946, 8.3134



13.7523, 16.3946, 36.8344

Complementary

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



21.6007, 16.3946, 15.3906



23.0956, 30.9774, 33.6178

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.



11.7445, 16.3946, 29.7435



21.6007, 16.3946, 15.3906



11.0133, 16.3946, 12.9274

Square

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



21.6007, 16.3946, 15.3906



14.6980, 16.3946, 6.4565



10.8010, 16.3946, 20.5604



16.5020, 16.3946, 38.0988

Rectangle

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



21.6007, 16.3946, 15.3906



18.5142, 16.3946, 7.4934



10.8010, 16.3946, 20.5604



12.9780, 16.3946, 34.9695

Sweetspot

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



21.6011, 16.3954, 15.3909



54.9040, 53.3856, 57.1018



22.9100, 16.5906, 37.1167



11.7154, 11.2330, 11.9647



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



21.6011, 16.3954, 15.3909



35.9523, 24.9865, 21.4840



23.0927, 20.4366, 12.6261



7.1267, 7.1071, 7.6536



11.9469, 6.1348, 1.6449



0.2654, 0.1347, 0.1103

Inverse Universe

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



21.6011, 16.3954, 15.3909



35.9523, 24.9865, 21.4840



20.7038, 24.2809, 38.7174



7.1267, 7.1071, 7.6536



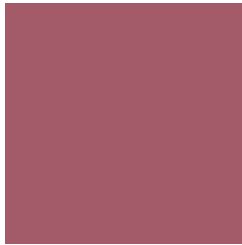
11.9469, 6.1348, 1.6449



0.2654, 0.1347, 0.1103

Previews

White Background



This preview shows how the XYZ color 21.6007, 16.3946, 15.3906 looks on a white background.

Color Contrast Check

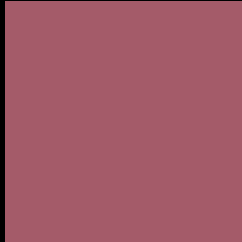
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.6007, 16.3946, 15.3906 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

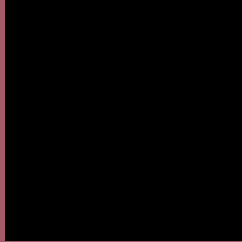
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.6007, 16.3946, 15.3906

Background



This preview shows how black text looks on a background with the XYZ color 21.6007, 16.3946, 15.3906.



This preview shows how white text looks on a background with the XYZ color 21.6007, 16.3946,

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

21.6007, 16.3946, 15.3906

Protanopia

16.0554, 16.6720, 19.2014

Deuteranopia

16.7690, 16.4858, 14.8686



Tritanopia

21.1835, 16.3417, 13.8421

Trichromacy



Original Color

21.6007, 16.3946, 15.3906

Protanomaly

17.5479, 16.2009, 17.8250

Deuteranomaly

18.1841, 16.1447, 14.9898

Tritanomaly

21.2804, 16.3804, 14.3521

Monochromacy



Original Color

21.6007, 16.3946, 15.3906

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.5390, 16.3613, 17.2726

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.6007, 16.3946, 15.3906 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(164, 91, 105)` looks like.

```
.text, #text, p{  
    color:rgb(164, 91, 105)  
}
```

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(164, 91, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 91, 105) }
```

Border

The CSS property to change the border of an element to XYZ 21.6007, 16.3946, 15.3906 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(164, 91, 105) }
```


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

```
.border{ border-color:rgb(164, 91, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 91, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 91, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 91, 105);  
box-shadow:4px 4px 4px 4px rgb(164, 91,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 21.6007, 16.3946, 15.3906 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 91, 105) }
```

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

```
.background{ background-color: rgb(164, 91,  
105) }
```

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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