

Converting Colors

XYZ(21.9070, 15.6913, 17.4759)

Have a look what the booklet for
XYZ(21.9070, 15.6913, 17.4759)
contains.

XYZ(21.8768, 15.6399, 17.4885)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.8768, 15.6399,
17.4885)**

Conversions

Conversions Part 1

Format	Color
Hex	A65471
RGB	166, 84, 113
RGB Percent	65%, 33%, 44%
CMY	0.3490, 0.6706, 0.5569
CMYK	0.00, 0.49, 0.32, 0.35
HSL	339°, 33%, 49%
HSV	339°, 49%, 65%
XYZ	21.8768, 15.6399, 17.4885
YIQ	111.8240, 39.5630, 26.4030

Conversions

Conversions Part 2

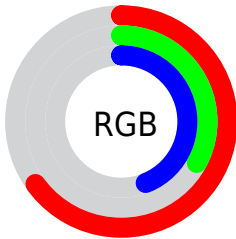
Format	Color
R _Y B	166, 84, 113
Decimal	10900593
CIE Lab	46.50, 37.03, -0.96
CIE LCh	46, 37.043, 358.515
Yxy	15.6399, 0.3977, 0.2843
Android (android.graphics.Color)	4289090673 (0xFFA65471)
YUV	111.8240, 0.5798, 47.5124
Hunter-Lab	39.5473, 29.5349, 1.4641

Details

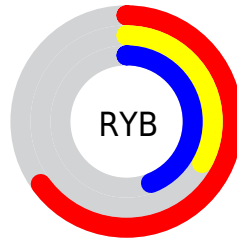
The XYZ color **21.8768, 15.6399, 17.4885** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.8085, 30.9637, 28.4958**, and the grayscale version is **15.3403, 16.1391, 17.5755**.

A 20% lighter version of the original color is **46.0271, 36.0129, 40.1226**, and **8.0817, 4.9052, 5.5219** is the 20% darker color. If you saturate the color by 10%, you get **20.1689, 13.1343, 14.1130**, and if you desaturate by 10%, it is **23.9623, 18.7863, 21.3426**.

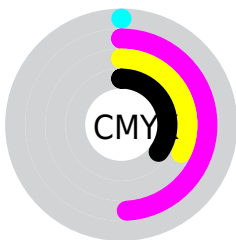
Distribution



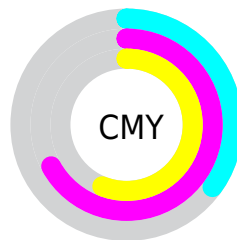
- Red (65%)
- Green (33%)
- Blue (44%)



- Red (65%)
- Yellow (33%)
- Blue (44%)



- Cyan (0%)
- Magenta (49%)
- Yellow (32%)
- Black (35%)



- Cyan (35%)
- Magenta (67%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8768, 15.6399, 17.4885 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 21.8768, 15.6399, 17.4885 by changing the saturation by 10% instead.

■ 21.8768, 15.6399,
17.4885

■ 21.8768, 15.6399,
17.4885

254.5467,
227.2074, 250.1105

■ 13.8825, 9.2697,
10.4178

■ 46.0227, 35.9719,
39.9659

■ 8.1201, 4.9175,
5.5676

■ 62.9049, 50.7025,
56.2096

■ 4.2244, 2.1989,
2.5195

■ 83.4806, 68.9887,
76.3481

■ 1.8298, 0.7194,
0.8505

■ 108.1149, 91.2149,
100.7998

■ 0.5355, 0.0000,
0.0000

■ 137.1734,
117.7655, 129.9834

■ 0.0000, 0.0000,
0.0000

171.0212,

149.0248, 164.3174

210.0239,
185.3773, 204.2202

■ 21.8768, 15.6399,
17.4885

■ 21.8768, 15.6399,
17.4885

■ 20.1689, 13.1343,
14.1130

■ 23.9623, 18.7863,
21.3426

■ 18.8129, 11.2223,
11.1948

■ 26.4463, 22.6115,
25.6934

■ 17.7819, 9.8540,
8.7123


■ 29.3495, 27.1535,
30.5592

■ 17.0439, 8.9701,
6.6409


■ 32.6909, 32.4468,
35.9567


■ 16.5353, 8.4482,
4.9448

■ 36.4882, 38.5233,
41.9022

 16.5076, 8.4197,
4.8523

 40.7581, 45.4136,
48.4110

 45.5165, 53.1461,
55.4980

 50.7786, 61.7483,
63.1772

 56.5588, 71.2461,
71.4625

Harmonies

Analogous

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



20.7319, 15.6399, 27.9472



21.8768, 15.6399, 17.4885



20.9310, 15.6399, 9.9458

Triad

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



21.8768, 15.6399, 17.4885



12.1258, 15.6399, 5.7893



11.8870, 15.6399, 36.8257

Complementary

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



21.8768, 15.6399, 17.4885



21.8085, 30.9637, 28.4958

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.



10.1017, 15.6399, 26.8644



21.8768, 15.6399, 17.4885



10.2250, 15.6399, 9.4050

Square

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



21.8768, 15.6399, 17.4885



15.0248, 15.6399, 4.8149



9.5391, 15.6399, 16.5780



14.7069, 15.6399, 41.3104

Rectangle

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



21.8768, 15.6399, 17.4885



19.3087, 15.6399, 6.9700



9.5391, 15.6399, 16.5780



11.1618, 15.6399, 33.8647

Sweetspot

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



21.8772, 15.6407, 17.4888



55.6645, 53.0666, 59.3754



20.1965, 14.3234, 37.7766



12.1884, 11.4513, 12.8509



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.



21.8772, 15.6407, 17.4888



36.4117, 23.5599, 25.2155



21.4129, 16.9204, 10.5259



7.6366, 7.5845, 8.4035



12.8213, 6.5372, 3.8705



0.3362, 0.1688, 0.2220

Inverse Universe

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



21.8772, 15.6407, 17.4888



36.4117, 23.5599, 25.2155



22.2721, 28.1033, 40.3269



7.6366, 7.5845, 8.4035



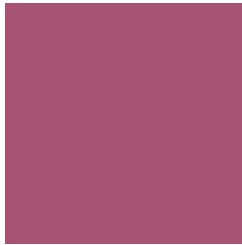
12.8213, 6.5372, 3.8705



0.3362, 0.1688, 0.2220

Previews

White Background



This preview shows how the XYZ color 21.8768, 15.6399, 17.4885 looks on a white background.

Color Contrast Check

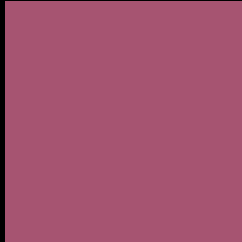
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8768, 15.6399, 17.4885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

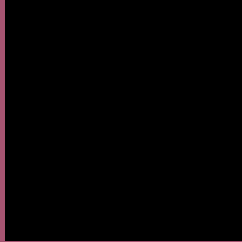
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.8768, 15.6399, 17.4885

Background



This preview shows how black text looks on a background with the XYZ color 21.8768, 15.6399, 17.4885.



This preview shows how white text looks on a background with the XYZ color 21.8768, 15.6399,

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

21.8768, 15.6399, 17.4885

Protanopia

15.6018, 15.8626, 23.0084

Deuteranopia

16.0441, 15.7571, 16.6638



Tritanopia

20.8199, 15.6801, 12.5189

Trichromacy



Original Color

21.8768, 15.6399, 17.4885

Protanomaly

17.1309, 15.3266, 20.7943

Deuteranomaly

17.7575, 15.4527, 16.7986

Tritanomaly

21.2742, 15.7553, 14.2317

Monochromacy



Original Color

21.8768, 15.6399, 17.4885

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.1917, 15.5781, 17.4300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8768, 15.6399, 17.4885 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(166, 84, 113)` looks like.

```
.text, #text, p{  
  color:rgb(166, 84, 113)  
}
```

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(166, 84, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 84, 113) }
```

Border

The CSS property to change the border of an element to XYZ 21.8768, 15.6399, 17.4885 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(166, 84, 113) }
```


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

```
.border{ border-color:rgb(166, 84, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 84, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 84, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 84, 113);  
box-shadow:4px 4px 4px 4px rgb(166, 84,  
113) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8768, 15.6399, 17.4885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 84, 113) }
```

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

```
.background{ background-color: rgb(166, 84,  
113) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor