

Converting Colors

XYZ(21.3990, 18.9345, 19.5331)

Have a look what the booklet for
XYZ(21.3990, 18.9345, 19.5331)
contains.

XYZ(21.4236, 18.9439, 19.6669)	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(21.4236, 18.9439,
19.6669)**

Conversions

Conversions Part 1

Format	Color
Hex	966E76
RGB	150, 110, 118
RGB Percent	59%, 43%, 46%
CMY	0.4118, 0.5686, 0.5373
CMYK	0.00, 0.27, 0.21, 0.41
HSL	348°, 16%, 51%
HSV	348°, 27%, 59%
XYZ	21.4236, 18.9439, 19.6669
YIQ	122.8720, 21.2720, 10.9680

Conversions

Conversions Part 2

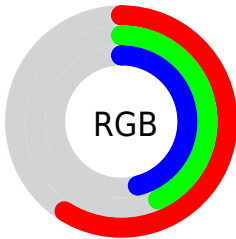
Format	Color
R_{YB}	150, 110, 118
Decimal	9858678
CIE Lab	50.62, 17.13, 1.81
CIE LCh	51, 17.224, 6.032
Yxy	18.9439, 0.3569, 0.3156
Android (android.graphics.Color)	4288048758 (0xFF966E76)
YUV	122.8720, -2.4019, 23.7913
Hunter-Lab	43.5246, 11.6929, 3.6766

Details

The XYZ color **21.4236, 18.9439, 19.6669** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.2200, 27.0811, 29.6486**, and the grayscale version is **18.7877, 19.7662, 21.5254**.

A 20% lighter version of the original color is **45.3529, 41.7221, 43.6930**, and **7.8651, 6.4841, 6.6314** is the 20% darker color. If you saturate the color by 10%, you get **19.2718, 15.7098, 15.6522**, and if you desaturate by 10%, it is **23.9412, 22.7640, 24.2517**.

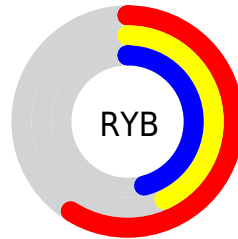
Distribution



Red (59%)

Green (43%)

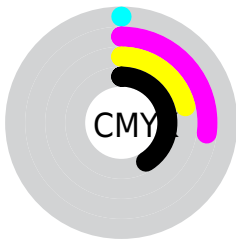
Blue (46%)



Red (59%)

Yellow (43%)

Blue (46%)

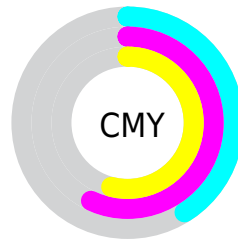


Cyan (0%)

Magenta (27%)

Yellow (21%)

Black (41%)



Cyan (41%)

Magenta (57%)

Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4236, 18.9439, 19.6669 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 21.4236, 18.9439, 19.6669 by changing the saturation by 10% instead.

■ 21.4236, 18.9439,
19.6669

■ 21.4236, 18.9439,
19.6669

252.2105,
246.1389, 262.6504

■ 13.5482, 11.6297,
11.9715

■ 45.2774, 41.6393,
43.7096

■ 7.8867, 6.4921,
6.6020

■ 61.9866, 57.7893,
60.8940

■ 4.0737, 3.1466,
3.1398

■ 82.3711, 77.6534,
82.0784

■ 1.7439, 1.2087,
1.1664

■ 106.7962,
101.6160, 107.6814

■ 0.4835, 0.0688,
0.0000

135.6274,
130.0614, 138.1216

■ 0.0000, 0.0000,
0.0000

169.2299,

163.3741, 173.8175

207.9692,
201.9385, 215.1876

■ 21.4236, 18.9439,
19.6669

■ 21.4236, 18.9439,
19.6669

■ 19.2718, 15.7098,
15.6522

■ 23.9412, 22.7640,
24.2517

■ 17.4670, 13.0301,
12.1838

■ 26.8391, 27.1944,
29.4267

■ 15.9911, 10.8742,
9.2383


■ 30.1328, 32.2613,
35.2123


■ 14.8239, 9.2077,
6.7898


■ 33.8365, 37.9883,
41.6276


■ 13.9425, 7.9918,
4.8102


■ 37.9639, 44.3982,
48.6911


 13.3210, 7.1817,
3.2684


 42.5279, 51.5125,
56.4203

 12.9207, 6.7081,
2.1267

 47.5407, 59.3516,
64.8320

 12.8119, 6.5777,
1.8220

 53.0143, 67.9354,
73.9425

 58.9601, 77.2828,
83.7677

Harmonies

Analogous

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



21.1314, 18.9439, 24.6303



21.4236, 18.9439, 19.6669



20.7548, 18.9439, 15.6358

Triad

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



21.4236, 18.9439, 19.6669



16.1662, 18.9439, 13.9961



16.7213, 18.9439, 30.3203

Complementary

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



21.4236, 18.9439, 19.6669



22.2200, 27.0811, 29.6486

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.



15.5106, 18.9439, 26.5805



21.4236, 18.9439, 19.6669



15.2044, 18.9439, 17.0823

Square

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



21.4236, 18.9439, 19.6669



17.6673, 18.9439, 12.7068



14.9720, 18.9439, 21.6172



18.3482, 18.9439, 31.2986

Rectangle

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



21.4236, 18.9439, 19.6669



19.8772, 18.9439, 13.8486



14.9720, 18.9439, 21.6172



16.2554, 18.9439, 29.3188

Sweetspot

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



21.4241, 18.9448, 19.6673



46.5574, 46.7541, 50.4999



22.2369, 19.1056, 31.3700



10.1537, 10.1101, 10.9000



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.4241, 18.9448, 19.6673



35.4669, 29.9061, 30.3623



22.3523, 21.5297, 17.7305



5.8454, 5.8332, 6.2920



10.6357, 5.4593, 1.5626



0.1389, 0.0703, 0.0648

Inverse Universe

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



21.4241, 18.9448, 19.6673



35.4669, 29.9061, 30.3623



21.0246, 23.6946, 32.3197



5.8454, 5.8332, 6.2920



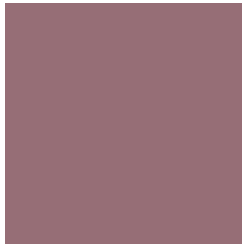
10.6357, 5.4593, 1.5626



0.1389, 0.0703, 0.0648

Previews

White Background



This preview shows how the XYZ color 21.4236, 18.9439, 19.6669 looks on a white background.

Color Contrast Check

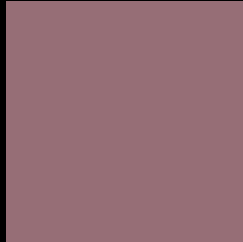
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 21.4236, 18.9439, 19.6669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

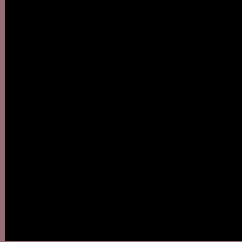
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.4236, 18.9439, 19.6669

Background



This preview shows how black text looks on a background with the XYZ color 21.4236, 18.9439, 19.6669.



This preview shows how white text looks on a background with the XYZ color 21.4236, 18.9439,

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

21.4236, 18.9439, 19.6669

Protanopia

18.3806, 19.0258, 21.7724

Deuteranopia

19.4037, 19.0753, 19.4888



Tritanopia

21.4236, 18.9439, 19.6669

Trichromacy



Original Color

21.4236, 18.9439, 19.6669

Protanomaly

19.2740, 18.8015, 21.0256

Deuteranomaly

20.0434, 18.8944, 19.4202

Tritanomaly

21.4236, 18.9439, 19.6669

Monochromacy



Original Color

21.4236, 18.9439, 19.6669

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.6025, 19.3239, 20.7859

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4236, 18.9439, 19.6669 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(150, 110, 118)` looks like.

```
.text, #text, p{  
    color:rgb(150, 110, 118)  
}
```

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(150, 110, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 110, 118) }
```

Border

The CSS property to change the border of an element to XYZ 21.4236, 18.9439, 19.6669 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(150, 110, 118) }
```


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

```
.border{ border-color:rgb(150, 110, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 110, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 110, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 110, 118);  
box-shadow:4px 4px 4px 4px rgb(150, 110,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4236, 18.9439, 19.6669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 110, 118) }
```

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

```
.background{ background-color: rgb(150,  
110, 118) }
```

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