

Converting Colors

XYZ(21.3432, 19.1331, 20.0895)

Have a look what the booklet for
XYZ(21.3432, 19.1331, 20.0895)
contains.

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Color

**XYZ(21.2270, 18.9967,
20.0007)**

Conversions

Conversions Part 1

Format	Color
Hex	946F77
RGB	148, 111, 119
RGB Percent	58%, 44%, 47%
CMY	0.4196, 0.5647, 0.5333
CMYK	0.00, 0.25, 0.20, 0.42
HSL	347°, 15%, 51%
HSV	347°, 25%, 58%
XYZ	21.2270, 18.9967, 20.0007
YIQ	122.9750, 19.4840, 10.3320

Conversions

Conversions Part 2

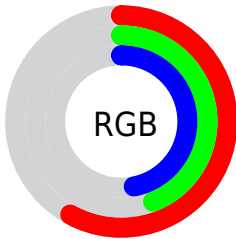
Format	Color
R_{YB}	148, 111, 119
Decimal	9727863
CIE _{Lab}	50.68, 15.93, 1.28
CIE _{LCh}	51, 15.980, 4.596
Yxy	18.9967, 0.3525, 0.3154
Android (android.graphics.Color)	4287917943 (0xFF946F77)
YUV	122.9750, -1.9597, 21.9469
Hunter-Lab	43.5852, 10.6595, 3.3022

Details

The XYZ color **21.2270, 18.9967, 20.0007** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.8799, 26.4533, 28.7651**, and the grayscale version is **18.8207, 19.8008, 21.5631**.

A 20% lighter version of the original color is **45.0765, 41.8312, 44.2265**, and **7.8446, 6.5513, 6.8123** is the 20% darker color. If you saturate the color by 10%, you get **19.0893, 15.7689, 16.0580**, and if you desaturate by 10%, it is **23.7184, 22.7954, 24.4813**.

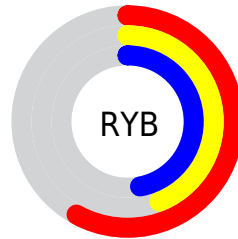
Distribution



Red (58%)

Green (44%)

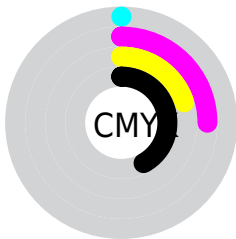
Blue (47%)



Red (58%)

Yellow (44%)

Blue (47%)

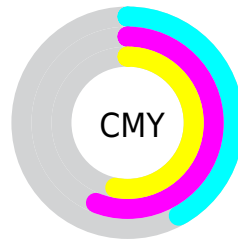


Cyan (0%)

Magenta (25%)

Yellow (20%)

Black (42%)



Cyan (42%)

Magenta (56%)

Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2270, 18.9967, 20.0007 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 21.2270, 18.9967, 20.0007 by changing the saturation by 10% instead.

■ 21.2270, 18.9967,
20.0007

■ 21.2270, 18.9967,
20.0007

251.1914,
246.4305, 264.5233

■ 13.4034, 11.6679,
12.2115

■ 44.9535, 41.7285,
44.2773

■ 7.7858, 6.5180,
6.7636

■ 61.5871, 57.9003,
61.6018

■ 4.0089, 3.1625,
3.2385

■ 81.8881, 77.7886,
82.9418

■ 1.7072, 1.2172,
1.2177

■ 106.2218,
101.7777, 108.7159

■ 0.4607, 0.0757,
0.0000

134.9536,
130.2521, 139.3425

■ 0.0000, 0.0000,
0.0000

168.4490,

163.5961, 175.2402

207.0731,
202.1941, 216.8277

■ 21.2270, 18.9967,
20.0007

■ 21.2270, 18.9967,
20.0007

■ 19.0893, 15.7689,
16.0580

■ 23.7184, 22.7954,
24.4813

■ 17.2874, 13.0818,
12.6317

■ 26.5771, 27.1882,
29.5181

■ 15.8045, 10.9065,
9.7004

■ 29.8179, 32.1999,
35.1298


■ 14.6214, 9.2101,
7.2406


■ 33.4543, 37.8533,
41.3339


■ 13.7167, 7.9562,
5.2271


■ 37.4990, 44.1701,
48.1471

 13.0664, 7.1027,
3.6319


 41.9644, 51.1709,
55.5857

 12.6398, 6.5953,
2.4232

 46.8622, 58.8753,
63.6650

 12.4735, 6.4002,
1.9438

 52.2037, 67.3024,
72.3999

 57.9996, 76.4702,
81.8051

Harmonies

Analogous

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



20.9150, 18.9967, 24.6091



21.2270, 18.9967, 20.0007



20.6499, 18.9967, 16.1635

Triad

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



21.2270, 18.9967, 20.0007



16.3993, 18.9967, 14.3659



16.7945, 18.9967, 29.4939

Complementary

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



21.2270, 18.9967, 20.0007



21.8799, 26.4533, 28.7651

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.



15.6886, 18.9967, 25.9778



21.2270, 18.9967, 20.0007



15.4698, 18.9967, 17.2005

Square

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



21.2270, 18.9967, 20.0007



17.8155, 18.9967, 13.2233



15.2173, 18.9967, 21.3830



18.2982, 18.9967, 30.5271

Rectangle

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



21.2270, 18.9967, 20.0007



19.8572, 18.9967, 14.4206



15.2173, 18.9967, 21.3830



16.3667, 18.9967, 28.5405

Sweetspot

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



21.2275, 18.9976, 20.0011



45.7573, 46.2211, 50.0950



21.8428, 19.0819, 30.5492



10.3845, 10.4576, 11.3289



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.



21.2275, 18.9976, 20.0011



35.2665, 30.2084, 31.2793



21.9789, 21.2370, 17.9807



5.8491, 5.8347, 6.3114



10.6630, 5.4703, 1.7065



0.1398, 0.0707, 0.0696

Inverse Universe

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



21.2275, 18.9976, 20.0011



35.2665, 30.2084, 31.2793



20.9209, 23.5569, 31.4616



5.8491, 5.8347, 6.3114



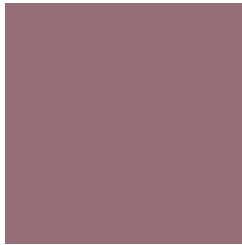
10.6630, 5.4703, 1.7065



0.1398, 0.0707, 0.0696

Previews

White Background



This preview shows how the XYZ color 21.2270, 18.9967, 20.0007 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 21.2270, 18.9967, 20.0007 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 21.2270, 18.9967, 20.0007

Background



This preview shows how black text looks on a background with the XYZ color 21.2270, 18.9967, 20.0007.



This preview shows how white text looks on a background with the XYZ color 21.2270, 18.9967,

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

21.2270, 18.9967, 20.0007

Protanopia

18.3806, 19.0258, 21.7724

Deuteranopia

19.4628, 19.0989, 19.8002



Tritanopia

21.2270, 18.9967, 20.0007

Trichromacy



Original Color

21.2270, 18.9967, 20.0007

Protanomaly

19.2342, 18.9530, 21.0569

Deuteranomaly

20.0482, 19.0584, 19.7615

Tritanomaly

21.2270, 18.9967, 20.0007

Monochromacy



Original Color

21.2270, 18.9967, 20.0007

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.6254, 19.5043, 21.1427

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2270, 18.9967, 20.0007 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(148, 111, 119)` looks like.

```
.text, #text, p{  
    color:rgb(148, 111, 119)  
}
```

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(148, 111, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 111, 119) }
```

Border

The CSS property to change the border of an element to XYZ 21.2270, 18.9967, 20.0007 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(148, 111, 119) }
```


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

```
.border{ border-color:rgb(148, 111, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 111, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 111, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 111, 119);  
box-shadow:4px 4px 4px 4px rgb(148, 111,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2270, 18.9967, 20.0007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 111, 119) }
```

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

```
.background{ background-color: rgb(148,  
111, 119) }
```

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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