

Converting Colors

XYZ(21.1443, 18.5326, 16.4002)

Have a look what the booklet for
XYZ(21.1443, 18.5326, 16.4002)
contains.

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Color

**XYZ(21.1533, 18.5590,
16.3773)**

Conversions

Conversions Part 1

Format	Color
Hex	996C6B
RGB	153, 108, 107
RGB Percent	60%, 42%, 42%
CMY	0.4000, 0.5765, 0.5804
CMYK	0.00, 0.29, 0.30, 0.40
HSL	1°, 18%, 51%
HSV	1°, 30%, 60%
XYZ	21.1533, 18.5590, 16.3773
YIQ	121.3410, 27.1410, 9.2290

Conversions

Conversions Part 2

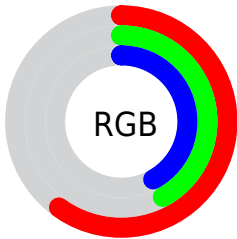
Format	Color
R_{YB}	153, 108, 107
Decimal	10054763
CIE _{Lab}	50.17, 17.80, 7.72
CIE _{LCh}	50, 19.403, 23.440
Yxy	18.5590, 0.3771, 0.3309
Android (android.graphics.Color)	4288244843 (0xFF996C6B)
YUV	121.3410, -7.0701, 27.7649
Hunter-Lab	43.0802, 12.2571, 7.6165

Details

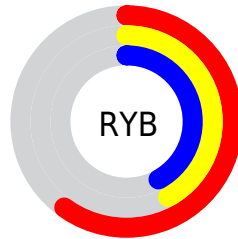
The XYZ color **21.1533, 18.5590, 16.3773** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0411, 27.8813, 34.3043**, and the grayscale version is **18.3008, 19.2539, 20.9675**.

A 20% lighter version of the original color is **44.7548, 41.0201, 37.9066**, and **7.7983, 6.3247, 5.0847** is the 20% darker color. If you saturate the color by 10%, you get **18.9733, 15.3751, 12.0245**, and if you desaturate by 10%, it is **23.7477, 22.3435, 21.5714**.

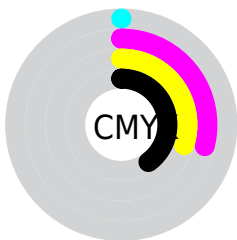
Distribution



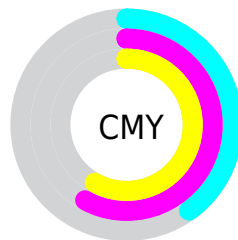
- Red (60%)
- Green (42%)
- Blue (42%)



- Red (60%)
- Yellow (42%)
- Blue (42%)



- Cyan (0%)
- Magenta (29%)
- Yellow (30%)
- Black (40%)





- Cyan (40%)
- Magenta (58%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1533, 18.5590, 16.3773 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 21.1533, 18.5590, 16.3773 by changing the saturation by 10% instead.


 21.1533, 18.5590,
16.3773


 21.1533, 18.5590,
16.3773


250.8084,
244.0033, 243.4792


 13.3492, 11.3521,
9.6343


 44.8319, 40.9876,
38.0279


 7.7481, 6.3042,
5.0547


 61.4371, 56.9780,
53.7725

 3.9846, 3.0309,
2.2201

 81.7067, 76.6650,
73.3547

 1.6934, 1.1479,
0.6859

 106.0061,
100.4331, 97.1931

 0.4522, 0.0185,
0.0000

134.7006,
128.6665, 125.7062

 0.0000, 0.0000,
0.0000

168.1556,

161.7498, 159.3126

206.7364,
200.0672, 198.4307

■ 21.1533, 18.5590,
16.3773

■ 21.1533, 18.5590,
16.3773

■ 18.9733, 15.3751,
12.0245

■ 23.7477, 22.3435,
21.5714

■ 17.1849, 12.7587,
8.4677

■ 26.7749, 26.7546,
27.6465

■ 15.7653, 10.6770,
5.6591

■ 30.2539, 31.8197,
34.6414

■ 14.6888, 9.0933,
3.5452

■ 34.2021, 37.5641,
42.5920

■ 13.9264, 7.9659,
2.0657

■ 38.6361, 44.0114,
51.5324

■ 13.4442, 7.2467,
1.1496

■ 43.5715, 51.1844,
61.4949

■ 13.1731, 6.8448,
0.6269

■ 49.0235, 59.1047,
72.5106

■ 55.0064, 67.7930,
84.6089

■ 61.5340, 77.2692,
97.8184

Harmonies

Analogous

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



21.4636, 18.5590, 21.4085



21.1533, 18.5590, 16.3773



19.8723, 18.5590, 13.0056

Triad

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



21.1533, 18.5590, 16.3773



14.9031, 18.5590, 14.6672



17.2317, 18.5590, 32.2790

Complementary

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



21.1533, 18.5590, 16.3773



23.0411, 27.8813, 34.3043

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.



15.5810, 18.5590, 29.6724



21.1533, 18.5590, 16.3773



14.2994, 18.5590, 19.0525

Square

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



21.1533, 18.5590, 16.3773



16.2460, 18.5590, 12.1472



14.5386, 18.5590, 24.5929



19.1110, 18.5590, 31.2202

Rectangle

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



21.1533, 18.5590, 16.3773



18.6859, 18.5590, 11.8482



14.5386, 18.5590, 24.5929



16.6334, 18.5590, 31.7893

Sweetspot

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



21.1538, 18.5599, 16.3777



48.4702, 48.6709, 50.5553



24.0814, 19.5626, 32.3129



10.5291, 10.4942, 10.8144



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



21.1538, 18.5599, 16.3777



35.2083, 29.3315, 23.9858



23.8759, 24.0040, 17.2850



6.2191, 6.2432, 6.4831



10.8906, 5.6636, 0.5192



0.1653, 0.0897, 0.0086

Inverse Universe

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



23.0411, 27.8813, 34.3043



39.1369, 48.7400, 61.3170



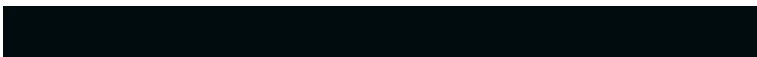
19.6944, 21.1880, 33.1888



6.3730, 7.0034, 7.9449



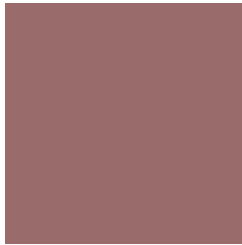
13.7250, 19.8466, 28.0151



0.2083, 0.3030, 0.4199

Previews

White Background



This preview shows how the XYZ color 21.1533, 18.5590, 16.3773 looks on a white background.

Color Contrast Check

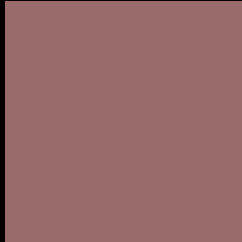
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.1533, 18.5590, 16.3773 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 21.1533, 18.5590, 16.3773

Background



This preview shows how black text looks on a background with the XYZ color 21.1533, 18.5590, 16.3773.



This preview shows how white text looks on a background with the XYZ color 21.1533, 18.5590,

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

21.1533, 18.5590, 16.3773

Protanopia

17.7458, 18.5969, 18.2770

Deuteranopia

18.8856, 18.5363, 16.2182



Tritanopia

21.6786, 18.6232, 18.6717

Trichromacy



Original Color

21.1533, 18.5590, 16.3773

Protanomaly

18.8315, 18.4775, 17.6129

Deuteranomaly

19.5510, 18.3797, 16.1529

Tritanomaly

21.5088, 18.5553, 17.7771

Monochromacy



Original Color

21.1533, 18.5590, 16.3773

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0706, 18.7383, 19.1347

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1533, 18.5590, 16.3773 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(153, 108, 107)` looks like.

```
.text, #text, p{  
    color:rgb(153, 108, 107)  
}
```

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(153, 108, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 108, 107) }
```

Border

The CSS property to change the border of an element to XYZ 21.1533, 18.5590, 16.3773 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(153, 108, 107) }
```


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

```
.border{ border-color:rgb(153, 108, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 108, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 108, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 108, 107);  
box-shadow:4px 4px 4px 4px rgb(153, 108,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1533, 18.5590, 16.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 108, 107) }
```

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

```
.background{ background-color: rgb(153,  
108, 107) }
```

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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