

Converting Colors

XYZ(22.6669, 18.5193, 13.1349)

Have a look what the booklet for
XYZ(22.6669, 18.5193, 13.1349)
contains.

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Color

**XYZ(22.7533, 18.5445,
13.2067)**

Conversions

Conversions Part 1

Format	Color
Hex	A7665F
RGB	167, 102, 95
RGB Percent	65%, 40%, 37%
CMY	0.3451, 0.6000, 0.6274
CMYK	0.00, 0.39, 0.43, 0.35
HSL	6°, 29%, 51%
HSV	6°, 43%, 65%
XYZ	22.7533, 18.5445, 13.2067
YIQ	120.6370, 40.9870, 11.6030

Conversions

Conversions Part 2

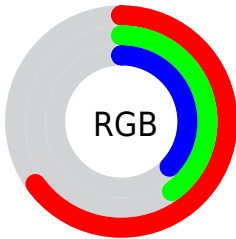
Format	Color
R_{YB}	167, 103, 95
Decimal	10970719
CIE Lab	50.15, 25.33, 15.05
CIE LCh	50, 29.464, 30.717
Yxy	18.5445, 0.4175, 0.3402
Android (android.graphics.Color)	4289160799 (0xFFA7665F)
YUV	120.6370, -12.6390, 40.6604
Hunter-Lab	43.0633, 18.9529, 11.9612

Details

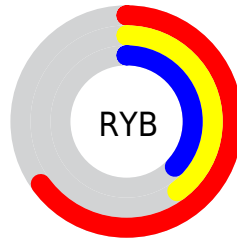
The XYZ color **22.7533, 18.5445, 13.2067** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2645, 30.3631, 41.1409**, and the grayscale version is **18.0876, 19.0295, 20.7232**.

A 20% lighter version of the original color is **47.4069, 41.0028, 32.2038**, and **8.5556, 6.3048, 3.6718** is the 20% darker color. If you saturate the color by 10%, you get **20.7248, 15.5748, 9.1783**, and if you desaturate by 10%, it is **25.2150, 22.1200, 18.1827**.

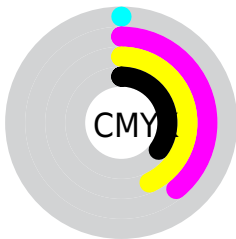
Distribution



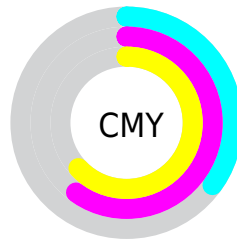
- Red (65%)
- Green (40%)
- Blue (37%)



- Red (65%)
- Yellow (40%)
- Blue (37%)



- Cyan (0%)
- Magenta (39%)
- Yellow (43%)
- Black (35%)





- Cyan (35%)
- Magenta (60%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.7533, 18.5445, 13.2067 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 22.7533, 18.5445, 13.2067 by changing the saturation by 10% instead.

 22.7533, 18.5445,
13.2067


 22.7533, 18.5445,
13.2067

259.0144,
243.9225, 223.4923


 14.5311, 11.3416,
7.4386

 47.4576, 40.9630,
32.3712

 8.5752, 6.2971,
3.6553


 64.6704, 56.9474,
46.6048

 4.5200, 3.0266,
1.4382

 85.6108, 76.6277,
64.4973

 2.0003, 1.1456,
0.1713

 110.6442,
100.3884, 86.4672

 0.6341, 0.0166,
0.0000

140.1359,
128.6138, 112.9332

 0.0000, 0.0000,
0.0000

174.4513,

161.6884, 144.3136

213.9557,
199.9965, 181.0272

■ 22.7533, 18.5445,
13.2067

■ 22.7533, 18.5445,
13.2067

■ 20.7248, 15.5748,
9.1783

■ 25.2150, 22.1200,
18.1827

■ 19.1029, 13.1748,
6.0364

■ 28.1315, 26.3294,
24.1601

■ 17.8603, 11.3086,
3.7141


■ 31.5246, 31.2023,
31.1900


■ 16.9658, 9.9352,
2.1348


■ 35.4146, 36.7658,
39.3196


■ 16.3831, 9.0077,
1.2072


■ 39.8203, 43.0454,
48.5934

 16.1253, 8.5934,
0.8088

 44.7596, 50.0652,
59.0533

 50.2496, 57.8482,
70.7392

 56.3066, 66.4166,
83.6888

 62.9463, 75.7915,
97.9387

Harmonies

Analogous

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



23.6738, 18.5445, 19.9966



22.7533, 18.5445, 13.2067



20.4361, 18.5445, 9.3870

Triad

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



22.7533, 18.5445, 13.2067



13.2767, 18.5445, 13.4639



17.6944, 18.5445, 40.2300

Complementary

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



22.7533, 18.5445, 13.2067



24.2645, 30.3631, 41.1409

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.



15.0861, 18.5445, 37.1479



22.7533, 18.5445, 13.2067



12.7073, 18.5445, 20.3882

Square

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



22.7533, 18.5445, 13.2067



14.9796, 18.5445, 9.5050



13.3333, 18.5445, 29.2866



20.5670, 18.5445, 36.8547

Rectangle

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



22.7533, 18.5445, 13.2067



18.5222, 18.5445, 8.3506



13.3333, 18.5445, 29.2866



16.7591, 18.5445, 39.9083

Sweetspot

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



22.7538, 18.5454, 13.2071



56.3792, 55.7675, 55.6939



26.4616, 18.9733, 35.9857



12.3094, 12.0393, 11.8246



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.



22.7538, 18.5454, 13.2071



37.1730, 27.9762, 16.5481



26.9476, 26.9331, 14.6050



7.5877, 7.6554, 7.8670



12.3570, 6.6112, 0.6248



0.3182, 0.1960, 0.0211

Inverse Universe

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



24.2645, 30.3631, 41.1409



40.2252, 51.9817, 73.3887



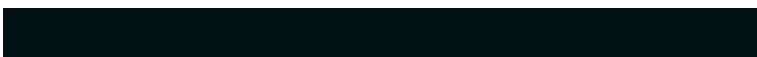
19.0281, 19.8903, 39.3955



7.6843, 8.4055, 9.6358



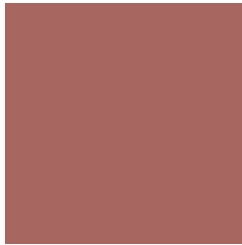
13.7952, 19.0507, 30.9256



0.3530, 0.4981, 0.7582

Previews

White Background



This preview shows how the XYZ color 22.7533, 18.5445, 13.2067 looks on a white background.

Color Contrast Check

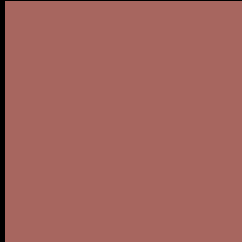
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.7533, 18.5445, 13.2067 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 22.7533, 18.5445, 13.2067

Background



This preview shows how black text looks on a background with the XYZ color 22.7533, 18.5445, 13.2067.

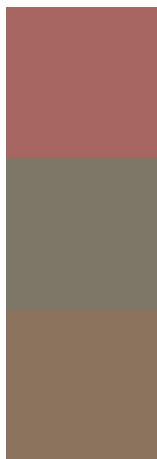


This preview shows how white text looks on a background with the XYZ color 22.7533, 18.5445,

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

22.7533, 18.5445, 13.2067

Protanopia

17.6492, 18.6085, 15.4936

Deuteranopia

18.9217, 18.6272, 12.9541



Tritanopia

23.4124, 18.5219, 16.5285

Trichromacy



Original Color

22.7533, 18.5445, 13.2067

Protanomaly

19.1899, 18.3931, 14.5954

Deuteranomaly

20.1740, 18.4440, 13.0864

Tritanomaly

23.2503, 18.6115, 15.1989

Monochromacy



Original Color

22.7533, 18.5445, 13.2067

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.4232, 18.6078, 17.8972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7533, 18.5445, 13.2067 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(167, 102, 95)` looks like.

```
.text, #text, p{  
    color:rgb(167, 102, 95)  
}
```

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(167, 102, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 102, 95) }
```

Border

The CSS property to change the border of an element to XYZ 22.7533, 18.5445, 13.2067 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(167, 102, 95) }
```


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

```
.border{ border-color:rgb(167, 102, 95) }
```

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

Here you see how a box with a 4 pixel rgb(167, 102, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 102, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 102, 95);  
box-shadow:4px 4px 4px 4px rgb(167, 102,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7533, 18.5445, 13.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 102, 95) }
```

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

```
.background{ background-color: rgb(167,  
102, 95) }
```

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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