

Converting Colors

XYZ(21.7795, 18.9483, 11.4747)

Have a look what the booklet for
XYZ(21.7795, 18.9483, 11.4747)
contains.

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Color

**XYZ(21.7808, 18.9903,
11.5343)**

Conversions

Conversions Part 1

Format	Color
Hex	A16C57
RGB	161, 108, 87
RGB Percent	63%, 42%, 34%
CMY	0.3686, 0.5765, 0.6588
CMYK	0.00, 0.33, 0.46, 0.37
HSL	17°, 30%, 49%
HSV	17°, 46%, 63%
XYZ	21.7808, 18.9903, 11.5343
YIQ	121.4530, 38.3290, 4.7050

Conversions

Conversions Part 2

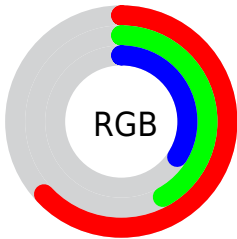
Format	Color
R_{YB}	161, 116, 87
Decimal	10579031
CIE Lab	50.68, 18.58, 20.33
CIE LCh	51, 27.536, 47.575
Yxy	18.9903, 0.4164, 0.3631
Android (android.graphics.Color)	4288769111 (0xFFA16C57)
YUV	121.4530, -16.9853, 34.6827
Hunter-Lab	43.5779, 12.9554, 14.8115

Details

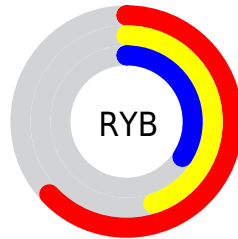
The XYZ color **21.7808, 18.9903, 11.5343** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7411, 23.3546, 37.1856**, and the grayscale version is **18.3657, 19.3222, 21.0419**.

A 20% lighter version of the original color is **45.9996, 41.8532, 29.3209**, and **8.0795, 6.5176, 2.9300** is the 20% darker color. If you saturate the color by 10%, you get **20.0583, 16.4832, 8.0689**, and if you desaturate by 10%, it is **23.8118, 21.8796, 15.8267**.

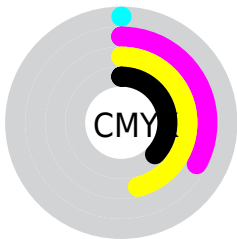
Distribution



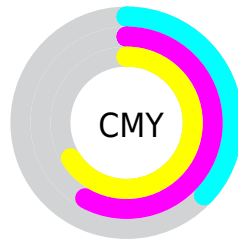
- Red (63%)
- Green (42%)
- Blue (34%)



- Red (63%)
- Yellow (45%)
- Blue (34%)



- Cyan (0%)
- Magenta (33%)
- Yellow (46%)
- Black (37%)



- Cyan (37%)
- Magenta (58%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7808, 18.9903, 11.5343 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 21.7808, 18.9903, 11.5343 by changing the saturation by 10% instead.

■ 21.7808, 18.9903,
11.5343

■ 21.7808, 18.9903,
11.5343

254.0533,
246.3952, 212.1647

■ 13.8116, 11.6633,
6.3088

■ 45.8650, 41.7177,
29.2956

■ 8.0706, 6.5148,
2.9619

■ 62.7107, 57.8869,
42.6685

■ 4.1923, 3.1606,
1.0752

■ 83.2460, 77.7722,
59.5942

■ 1.8115, 1.2161,
0.0000

■ 107.8362,
101.7581, 80.4914

■ 0.5246, 0.0748,
0.0000

■ 136.8467,
130.2290, 105.7784

■ 0.0000, 0.0000,
0.0000

170.6428,

163.5692, 135.8740

209.5899,
202.1631, 171.1966

■ 21.7808, 18.9903,
11.5343

■ 21.7808, 18.9903,
11.5343

■ 20.0583, 16.4832,
8.0689

■ 23.8118, 21.8796,
15.8267

■ 18.6268, 14.3391,
5.3754

■ 26.1648, 25.1638,
20.9941

■ 17.4690, 12.5412,
3.3935

■ 28.8541, 28.8584,
27.0823

■ 16.5649, 11.0699,
2.0534

■ 31.8927, 32.9771,
34.1334

■ 15.8893, 9.9028,
1.2607

■ 35.2931, 37.5330,
42.1868

■ 15.6631, 9.5075,
1.0096

■ 39.0667, 42.5388,
51.2800

■ 43.2249, 48.0064,
61.4483

■ 47.7782, 53.9474,
72.7254

■ 52.7370, 60.3729,
85.1436

Harmonies

Analogous

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



23.4611, 18.9903, 16.5073



21.7808, 18.9903, 11.5343



19.1891, 18.9903, 9.2965

Triad

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



21.7808, 18.9903, 11.5343



13.4424, 18.9903, 17.6423



19.6621, 18.9903, 38.3226

Complementary

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



21.7808, 18.9903, 11.5343



19.7411, 23.3546, 37.1856

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.



16.9563, 18.9903, 38.8464



21.7808, 18.9903, 11.5343



13.5418, 18.9903, 25.4961

Square

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



21.7808, 18.9903, 11.5343



14.4845, 18.9903, 12.1860



14.7711, 18.9903, 33.6986



22.1566, 18.9903, 32.4079

Rectangle

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



21.7808, 18.9903, 11.5343



17.3744, 18.9903, 9.1689



14.7711, 18.9903, 33.6986



18.7423, 18.9903, 39.1797

Sweetspot

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



21.7813, 18.9912, 11.5347



52.5554, 52.8822, 50.5245



22.8423, 16.2880, 26.7639



11.2958, 11.2839, 10.5517



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



21.7813, 18.9912, 11.5347



35.9030, 29.4908, 14.4120



26.5386, 28.5058, 13.1204



7.2299, 7.3982, 7.4270



12.5406, 7.6552, 0.8166



0.3017, 0.2371, 0.0299

Inverse Universe

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



19.7411, 23.3546, 37.1856



31.7621, 38.2235, 66.0904



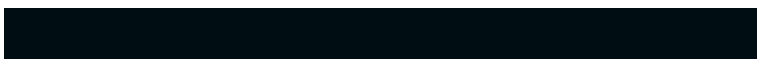
15.2172, 14.3067, 35.6776



7.1054, 7.6699, 9.0090



10.0977, 11.9748, 28.7089



0.2491, 0.3255, 0.6156

Previews

White Background



This preview shows how the XYZ color 21.7808, 18.9903, 11.5343 looks on a white background.

Color Contrast Check

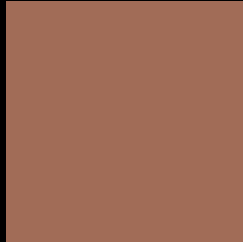
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7808, 18.9903, 11.5343 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 21.7808, 18.9903, 11.5343

Background



This preview shows how black text looks on a background with the XYZ color 21.7808, 18.9903, 11.5343.



This preview shows how white text looks on a background with the XYZ color 21.7808, 18.9903,

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

21.7808, 18.9903, 11.5343

Protanopia

17.8664, 19.1322, 13.1071

Deuteranopia

19.3867, 19.0760, 11.2546



Tritanopia

23.0805, 19.0595, 17.7916

Trichromacy



Original Color

21.7808, 18.9903, 11.5343

Protanomaly

19.1182, 18.9088, 12.5397

Deuteranomaly

20.1625, 18.9662, 11.4023

Tritanomaly

22.5025, 18.9687, 15.3073

Monochromacy



Original Color

21.7808, 18.9903, 11.5343

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1591, 18.8291, 17.0926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7808, 18.9903, 11.5343 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(161, 108, 87)` looks like.

```
.text, #text, p{  
    color:rgb(161, 108, 87)  
}
```

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(161, 108, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 108, 87) }
```

Border

The CSS property to change the border of an element to XYZ 21.7808, 18.9903, 11.5343 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(161, 108, 87) }
```


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

```
.border{ border-color:rgb(161, 108, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 108, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 108, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 108, 87);  
box-shadow:4px 4px 4px 4px rgb(161, 108,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7808, 18.9903, 11.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 108, 87) }
```

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

```
.background{ background-color: rgb(161,  
108, 87) }
```

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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