

Converting Colors

XYZ(21.4452, 15.9704, 12.3304)

Have a look what the booklet for
XYZ(21.4452, 15.9704, 12.3304)
contains.

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Color

**XYZ(21.4019, 15.9853,
12.3134)**

Conversions

Conversions Part 1

Format	Color
Hex	A7585D
RGB	167, 88, 93
RGB Percent	65%, 35%, 36%
CMY	0.3451, 0.6549, 0.6353
CMYK	0.00, 0.47, 0.44, 0.35
HSL	356°, 31%, 50%
HSV	356°, 47%, 65%
XYZ	21.4019, 15.9853, 12.3134
YIQ	112.1910, 45.4790, 18.3030

Conversions

Conversions Part 2

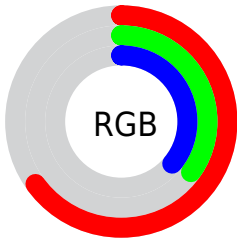
Format	Color
RYB	167, 88, 93
Decimal	10967133
CIELab	46.96, 32.83, 11.83
CIElCh	47, 34.894, 19.811
Yxy	15.9853, 0.4306, 0.3216
Android (android.graphics.Color)	4289157213 (0xFFA7585D)
YUV	112.1910, -9.4612, 48.0675
Hunter-Lab	39.9816, 25.5820, 9.7272

Details

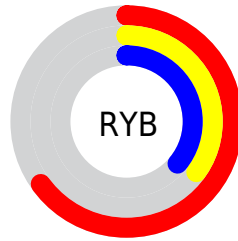
The XYZ color **21.4019, 15.9853, 12.3134** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.3657, 32.3212, 39.1389**, and the grayscale version is **15.4752, 16.2812, 17.7302**.

A 20% lighter version of the original color is **45.3873, 36.7469, 30.6873**, and **7.9207, 5.1010, 3.2565** is the 20% darker color. If you saturate the color by 10%, you get **19.5612, 13.3018, 8.6239**, and if you desaturate by 10%, it is **23.6992, 19.3552, 16.8547**.

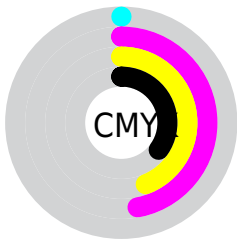
Distribution



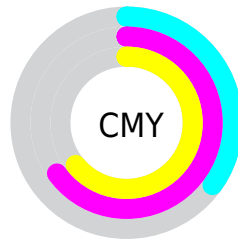
- Red (65%)
- Green (35%)
- Blue (36%)



- Red (65%)
- Yellow (35%)
- Blue (36%)



- Cyan (0%)
- Magenta (47%)
- Yellow (44%)
- Black (35%)



- Cyan (35%)
- Magenta (65%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.4019, 15.9853, 12.3134 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 21.4019, 15.9853, 12.3134 by changing the saturation by 10% instead.

■ 21.4019, 15.9853,
12.3134

■ 21.4019, 15.9853,
12.3134

252.0982,
229.2550, 217.5202

■ 13.5322, 9.5138,
6.8324

■ 45.2417, 36.5727,
30.7375

■ 7.8756, 5.0778,
3.2806

■ 61.9426, 51.4573,
44.5177

■ 4.0666, 2.2930,
1.2397

■ 82.3178, 69.9151,
61.9013

■ 1.7399, 0.7700,
0.0116

■ 106.7329, 92.3304,
83.3069

■ 0.4810, 0.0000,
0.0000

■ 135.5531,
119.0876, 109.1531

■ 0.0000, 0.0000,
0.0000

169.1438,

150.5712, 139.8583

207.8704,
187.1655, 175.8412

■ 21.4019, 15.9853,
12.3134

■ 21.4019, 15.9853,
12.3134

■ 19.5612, 13.3018,
8.6239

■ 23.6992, 19.3552,
16.8547

■ 18.1455, 11.2552,
5.7323

■ 26.4794, 23.4515,
22.2956

■ 17.1209, 9.7935,
3.5799


■ 29.7686, 28.3141,
28.6810


■ 16.4481, 8.8553,
2.0993


■ 33.5902, 33.9794,
36.0530

■ 16.0699, 8.3472,
1.2080


■ 37.9666, 40.4812,
44.4509

 15.9942, 8.2386,
1.0507

 42.9185, 47.8517,
53.9118

 48.4659, 56.1212,
64.4711

 54.6277, 65.3185,
76.1626

 61.4218, 75.4712,
89.0184

Harmonies

Analogous

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



21.7233, 15.9853, 20.5466



21.4019, 15.9853, 12.3134



19.2984, 15.9853, 7.4733

Triad

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



21.4019, 15.9853, 12.3134



11.1415, 15.9853, 8.6648



14.1802, 15.9853, 39.7055

Complementary

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



21.4019, 15.9853, 12.3134



24.3657, 32.3212, 39.1389

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.



11.7164, 15.9853, 33.6356



21.4019, 15.9853, 12.3134



10.1241, 15.9853, 14.6016

Square

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



21.4019, 15.9853, 12.3134



13.2923, 15.9853, 5.9076



10.3194, 15.9853, 23.7369



17.2679, 15.9853, 38.4559

Rectangle

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



21.4019, 15.9853, 12.3134



17.3074, 15.9853, 5.9260



10.3194, 15.9853, 23.7369



13.2592, 15.9853, 38.3918

Sweetspot

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



21.4023, 15.9861, 12.3137



55.2974, 53.6470, 55.2007



25.3114, 17.4238, 38.5883



12.0689, 11.5524, 11.7622



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.



21.4023, 15.9861, 12.3137



34.8229, 23.5176, 15.0199



24.6866, 22.8973, 12.3522



7.5496, 7.5497, 7.9456



12.2459, 6.3071, 0.8405



0.3038, 0.1558, 0.0511

Inverse Universe

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



21.4023, 15.9861, 12.3137



34.8229, 23.5176, 15.0199



19.3560, 21.5768, 39.7038



7.5496, 7.5497, 7.9456



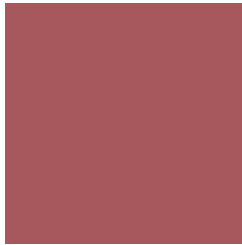
12.2459, 6.3071, 0.8405



0.3038, 0.1558, 0.0511

Previews

White Background



This preview shows how the XYZ color 21.4019, 15.9853, 12.3134 looks on a white background.

Color Contrast Check

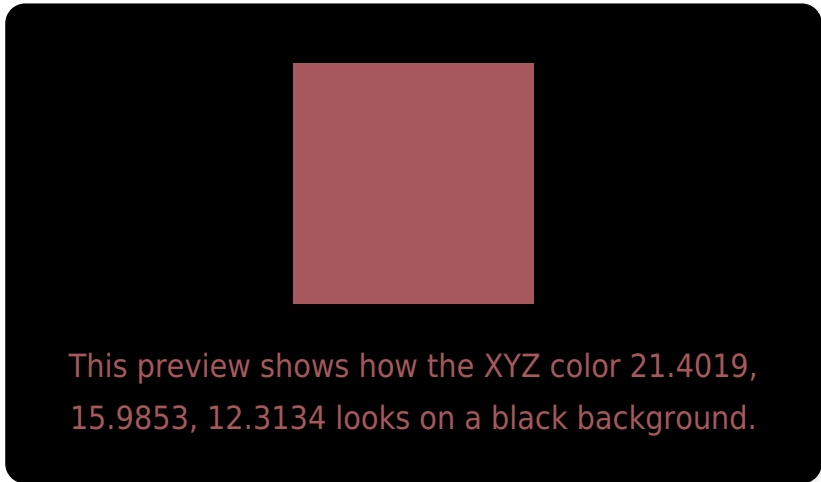
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

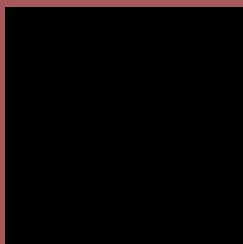
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.4019, 15.9853, 12.3134

Background



This preview shows how black text looks on a background with the XYZ color 21.4019, 15.9853, 12.3134.

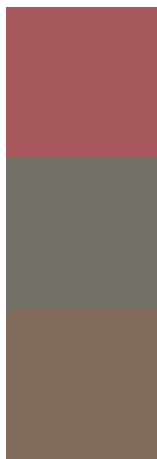


This preview shows how white text looks on a background with the XYZ color 21.4019, 15.9853,

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

21.4019, 15.9853, 12.3134

Protanopia

15.3045, 16.0336, 15.6528

Deuteranopia

16.3091, 15.9994, 11.9015



Tritanopia

21.4465, 16.0031, 12.5482

Trichromacy



Original Color

21.4019, 15.9853, 12.3134

Protanomaly

17.0307, 15.7084, 14.4463

Deuteranomaly

17.7732, 15.7093, 11.9930

Tritanomaly

21.4465, 16.0031, 12.5482

Monochromacy



Original Color

21.4019, 15.9853, 12.3134

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

16.9158, 15.6260, 15.4892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.4019, 15.9853, 12.3134 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, 88, 93)` looks like.

```
.text, #text, p{  
    color:rgb(167, 88, 93)  
}
```

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, 88, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 88, 93) }
```

Border

The CSS property to change the border of an element to XYZ 21.4019, 15.9853, 12.3134 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, 88, 93) }
```


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

```
.border{ border-color:rgb(167, 88, 93) }
```

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

Here you see how a box with a 4 pixel rgb(167, 88, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 88, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 88, 93);  
box-shadow:4px 4px 4px 4px rgb(167, 88,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 21.4019, 15.9853, 12.3134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 88, 93) }
```

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

```
.background{ background-color: rgb(167, 88,  
93) }
```

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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