

Converting Colors

XYZ(24.0501, 18.7760, 21.7348)

Have a look what the booklet for
XYZ(24.0501, 18.7760, 21.7348)
contains.

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Color

**XYZ(23.9847, 18.7020,
21.7478)**

Conversions

Conversions Part 1

Format	Color
Hex	A6647D
RGB	166, 100, 125
RGB Percent	65%, 39%, 49%
CMY	0.3490, 0.6078, 0.5098
CMYK	0.00, 0.40, 0.25, 0.35
HSL	337°, 27%, 52%
HSV	337°, 40%, 65%
XYZ	23.9847, 18.7020, 21.7478
YIQ	122.5840, 31.3110, 21.7670

Conversions

Conversions Part 2

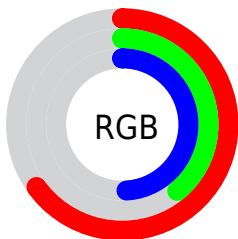
Format	Color
R_{YB}	166, 100, 125
Decimal	10904701
CIE Lab	50.34, 30.03, -2.54
CIE LCh	50, 30.135, 355.174
Yxy	18.7020, 0.3722, 0.2902
Android (android.graphics.Color)	4289094781 (0xFFA6647D)
YUV	122.5840, 1.1911, 38.0758
Hunter-Lab	43.2458, 23.3183, 0.4558

Details

The XYZ color **23.9847, 18.7020, 21.7478** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.7003, 31.9053, 30.1100**, and the grayscale version is **18.6794, 19.6521, 21.4012**.

A 20% lighter version of the original color is **49.3883, 41.2004, 47.4689**, and **9.1704, 6.3342, 7.5768** is the 20% darker color. If you saturate the color by 10%, you get **21.9268, 15.5862, 17.9785**, and if you desaturate by 10%, it is **26.4365, 22.4957, 25.9863**.

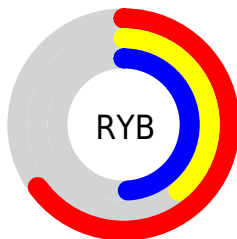
Distribution



Red (65%)

Green (39%)

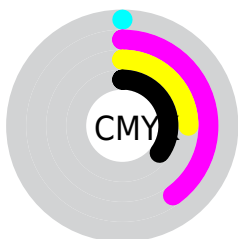
Blue (49%)



Red (65%)

Yellow (39%)

Blue (49%)

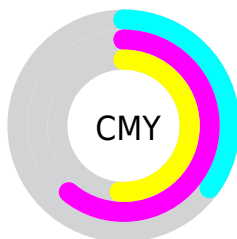


Cyan (0%)

Magenta (40%)

Yellow (25%)

Black (35%)



Cyan (35%)


Magenta (61%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.9847, 18.7020, 21.7478 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 23.9847, 18.7020, 21.7478 by changing the saturation by 10% instead.


 23.9847, 18.7020,
21.7478


 23.9847, 18.7020,
21.7478


265.1850,
244.7987, 274.1368


 15.4469, 11.4551,
13.4752


 49.4601, 41.2299,
47.2256


 9.2220, 6.3739,
7.6220


 67.1284, 57.2798,
65.2679

 4.9445, 3.0737,
3.7698

 88.5710, 77.0328,
87.4038

 2.2492, 1.1703,
1.4999

 114.1532,
100.8734, 114.0519

 0.7685, 0.0373,
0.2179

144.2403,
129.1858, 145.6307

 0.0000, 0.0000,
0.0000

179.1978,

162.3546, 182.5588

219.3909,
200.7641, 225.2546

■ 23.9847, 18.7020,
21.7478

■ 23.9847, 18.7020,
21.7478

■ 21.9268, 15.5862,
17.9785

■ 26.4365, 22.4957,
25.9863

■ 20.2393, 13.1052,
14.6598

■ 29.3007, 27.0018,
30.7094

■ 18.8985, 11.2150,
11.7731


■ 32.5966, 32.2556,
35.9332


■ 17.8772, 9.8648,
9.2982


■ 36.3418, 38.2892,
41.6725


■ 17.1436, 8.9949,
7.2123


■ 40.5527, 45.1328,
47.9416


 16.6310, 8.4761,
5.4805

 45.2451, 52.8152,
54.7542

 16.6196, 8.4645,
5.4420

 50.4340, 61.3635,
62.1233

 56.1335, 70.8038,
70.0616

 62.3574, 81.1610,
78.5815

Harmonies

Analogous

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



22.7999, 18.7020, 31.0081



23.9847, 18.7020, 21.7478



23.3627, 18.7020, 14.2554

Triad

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



23.9847, 18.7020, 21.7478



15.4906, 18.7020, 8.9936



14.7553, 18.7020, 36.6400

Complementary

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



23.9847, 18.7020, 21.7478



23.7003, 31.9053, 30.1100

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.



13.1590, 18.7020, 28.0059



23.9847, 18.7020, 21.7478



13.5498, 18.7020, 12.4849

Square

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



23.9847, 18.7020, 21.7478



18.2528, 18.7020, 8.1669



12.7429, 18.7020, 19.0388



17.3070, 18.7020, 40.9815

Rectangle

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



23.9847, 18.7020, 21.7478



22.0394, 18.7020, 10.9478



12.7429, 18.7020, 19.0388



14.1007, 18.7020, 34.0454

Sweetspot

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



23.9852, 18.7029, 21.7482



57.6098, 56.0596, 62.7909



22.3744, 17.5050, 38.2760



12.7220, 12.2736, 13.7839



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.



23.9852, 18.7029, 21.7482



40.0908, 28.7299, 33.1880



23.3578, 19.6900, 14.6272



7.6443, 7.5876, 8.4440



12.9089, 6.5723, 4.3319



0.3390, 0.1699, 0.2368

Inverse Universe

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



23.9852, 18.7029, 21.7482



40.0908, 28.7299, 33.1880



24.4172, 30.0192, 40.5838



7.6443, 7.5876, 8.4440



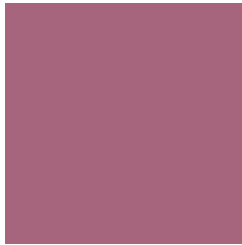
12.9089, 6.5723, 4.3319



0.3390, 0.1699, 0.2368

Previews

White Background



This preview shows how the XYZ color 23.9847, 18.7020, 21.7478 looks on a white background.

Color Contrast Check

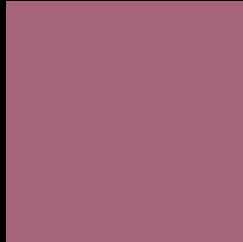
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9847, 18.7020, 21.7478 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 23.9847, 18.7020, 21.7478

Background



This preview shows how black text looks on a background with the XYZ color 23.9847, 18.7020, 21.7478.



This preview shows how white text looks on a background with the XYZ color 23.9847, 18.7020,

21.7478.

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

23.9847, 18.7020, 21.7478

Protanopia

18.4483, 18.7817, 26.3198

Deuteranopia

19.1183, 18.7212, 21.0183



Tritanopia

23.1818, 18.8256, 17.1637

Trichromacy



Original Color

23.9847, 18.7020, 21.7478

Protanomaly

20.0195, 18.4327, 24.6930

Deuteranomaly

20.6527, 18.5112, 21.2234

Tritanomaly

23.3629, 18.7399, 18.6055

Monochromacy



Original Color

23.9847, 18.7020, 21.7478

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

20.4163, 19.2057, 21.6998

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.9847, 18.7020, 21.7478 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(166, 100, 125)` looks like.

```
.text, #text, p{  
    color:rgb(166, 100, 125)  
}
```

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(166, 100, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 100, 125) }
```

Border

The CSS property to change the border of an element to XYZ 23.9847, 18.7020, 21.7478 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(166, 100, 125) }
```


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

```
.border{ border-color:rgb(166, 100, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 100, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 100, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 100, 125);  
box-shadow:4px 4px 4px 4px rgb(166, 100,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 23.9847, 18.7020, 21.7478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 100, 125) }
```

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

```
.background{ background-color: rgb(166,  
100, 125) }
```

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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