

Converting Colors

XYZ(23.7039, 19.5672, 16.7305)

Have a look what the booklet for
XYZ(23.7039, 19.5672, 16.7305)
contains.

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Color

**XYZ(23.7972, 19.6063,
16.7175)**

Conversions

Conversions Part 1

Format	Color
Hex	A76A6C
RGB	167, 106, 108
RGB Percent	65%, 42%, 42%
CMY	0.3451, 0.5843, 0.5765
CMYK	0.00, 0.37, 0.35, 0.35
HSL	358°, 26%, 54%
HSV	358°, 37%, 65%
XYZ	23.7972, 19.6063, 16.7175
YIQ	124.4670, 35.7140, 13.5540

Conversions

Conversions Part 2

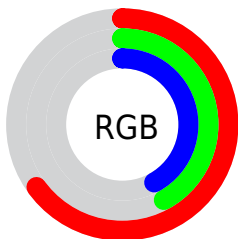
Format	Color
RYB	167, 106, 108
Decimal	10971756
CIELab	51.39, 24.67, 9.09
CIElCh	51, 26.289, 20.237
Yxy	19.6063, 0.3958, 0.3261
Android (android.graphics.Color)	4289161836 (0xFFA76A6C)
YUV	124.4670, -8.1182, 37.3014
Hunter-Lab	44.2790, 18.4444, 8.6104

Details

The XYZ color **23.7972, 19.6063, 16.7175** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **26.5551, 33.4187, 40.6501**, and the grayscale version is **19.3326, 20.3394, 22.1496**.

A 20% lighter version of the original color is **49.2253, 42.8042, 38.4685**, and **9.1654, 6.8737, 5.2586** is the 20% darker color. If you saturate the color by 10%, you get **21.4593, 16.1811, 12.0825**, and if you desaturate by 10%, it is **26.6306, 23.7674, 22.3040**.

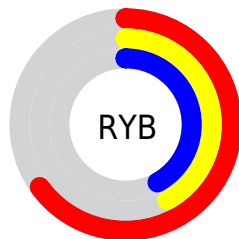
Distribution



Red (65%)

Green (42%)

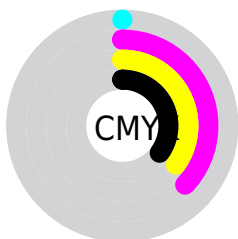
Blue (42%)



Red (65%)

Yellow (42%)

Blue (42%)

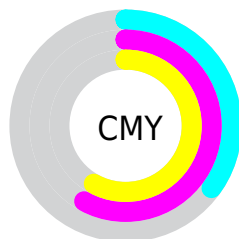


Cyan (0%)

Magenta (37%)

Yellow (35%)

Black (35%)



Cyan (35%)

Magenta (58%)

Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 23.7972, 19.6063, 16.7175 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 23.7972, 19.6063, 16.7175 by changing the saturation by 10% instead.


 23.7972, 19.6063,
16.7175


 23.7972, 19.6063,
16.7175


264.2531,
249.7757, 245.5277


 15.3072, 12.1092,
9.8735


 49.1561, 42.7561,
38.6234


 9.1230, 6.8181,
5.2106


 66.7558, 59.1776,
54.5223

 4.8792, 3.3486,
2.3105

 88.1226, 79.3427,
74.2766

 2.2106, 1.3163,
0.7371

 113.6221,
103.6358, 98.3048

 0.7483, 0.1538,
0.0000

143.6195,
132.4412, 127.0255

 0.0000, 0.0000,
0.0000

178.4803,

166.1434, 160.8572

218.5697,
205.1268, 200.2184

■ 23.7972, 19.6063,
16.7175

■ 23.7972, 19.6063,
16.7175

■ 21.4593, 16.1811,
12.0825

■ 26.6306, 23.7674,
22.3040

■ 19.5869, 13.4464,
8.3449

■ 29.9841, 28.7007,
28.8895

■ 18.1495, 11.3560,
5.4469

■ 33.8823, 34.4435,
36.5201


■ 17.1118, 9.8573,
3.3236

■ 38.3481, 41.0300,
45.2384

■ 16.4336, 8.8890,
1.9007


■ 43.4029, 48.4923,
55.0847


 16.0603, 8.3659,
1.0873

 49.0670, 56.8608,
66.0972

 15.9663, 8.2275,
0.9035

 55.3598, 66.1644,
78.3123

 62.2997, 76.4310,
91.7651

 69.4870, 86.8517,
106.3497

Harmonies

Analogous

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



24.0797, 19.6063, 23.9006



23.7972, 19.6063, 16.7175



22.0625, 19.6063, 12.0339

Triad

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



23.7972, 19.6063, 16.7175



15.0101, 19.6063, 13.3561



17.7903, 19.6063, 39.0501

Complementary

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



23.7972, 19.6063, 16.7175



26.5551, 33.4187, 40.6501

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.



15.5826, 19.6063, 34.5368



23.7972, 19.6063, 16.7175



14.0802, 19.6063, 18.9838

Square

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



23.7972, 19.6063, 16.7175



16.9392, 19.6063, 10.4338



14.2795, 19.6063, 26.7630



20.4408, 19.6063, 38.0350

Rectangle

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



23.7972, 19.6063, 16.7175



20.3989, 19.6063, 10.4084



14.2795, 19.6063, 26.7630



16.9762, 19.6063, 38.0953

Sweetspot

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



23.7977, 19.6073, 16.7179



57.2931, 56.6935, 58.7786



27.6398, 21.0948, 39.1743



12.6198, 12.3904, 12.7595



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.



23.7977, 19.6073, 16.7179



39.0945, 29.9487, 22.9556



27.1282, 26.4364, 17.3098



7.5407, 7.5461, 7.8985



12.2212, 6.2972, 0.7103



0.3004, 0.1544, 0.0331

Inverse Universe

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



23.7977, 19.6073, 16.7179



39.0945, 29.9487, 22.9556



22.0850, 24.1855, 40.0636



7.5407, 7.5461, 7.8985



12.2212, 6.2972, 0.7103



0.3004, 0.1544, 0.0331

Previews

White Background



This preview shows how the XYZ color 23.7972, 19.6063, 16.7175 looks on a white background.

Color Contrast Check

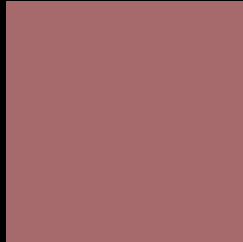
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7972, 19.6063, 16.7175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

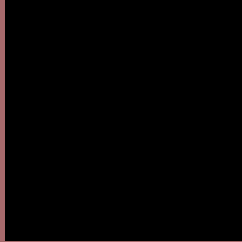
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.7972, 19.6063, 16.7175

Background



This preview shows how black text looks on a background with the XYZ color 23.7972, 19.6063, 16.7175.



This preview shows how white text looks on a background with the XYZ color 23.7972, 19.6063,

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

23.7972, 19.6063, 16.7175

Protanopia

18.9228, 19.7154, 19.6377

Deuteranopia

20.0645, 19.6602, 16.3730



Tritanopia

23.9686, 19.5109, 18.1255

Trichromacy



Original Color

23.7972, 19.6063, 16.7175

Protanomaly

20.4380, 19.4565, 18.5979

Deuteranomaly

21.2488, 19.5802, 16.5693

Tritanomaly

23.8572, 19.4663, 17.5389

Monochromacy



Original Color

23.7972, 19.6063, 16.7175

Achromatopsia

19.1579, 20.1556, 21.9495

Achromatomaly

20.4465, 19.6060, 19.8462

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7972, 19.6063, 16.7175 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, 106, 108)` looks like.

```
.text, #text, p{  
    color:rgb(167, 106, 108)  
}
```

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, 106, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 106, 108) }
```

Border

The CSS property to change the border of an element to XYZ 23.7972, 19.6063, 16.7175 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, 106, 108) }
```


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

```
.border{ border-color:rgb(167, 106, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 106, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 106, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 106, 108);  
box-shadow:4px 4px 4px 4px rgb(167, 106,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7972, 19.6063, 16.7175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 106, 108) }
```

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

```
.background{ background-color: rgb(167,  
106, 108) }
```

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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