

# Converting Colors

XYZ(23.2758, 19.7073, 21.1247)

Have a look what the booklet for  
XYZ(23.2758, 19.7073, 21.1247)  
contains.

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# Color

**XYZ(23.2796, 19.7133,  
20.9904)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F6D7A
RGB	159, 109, 122
RGB Percent	62%, 43%, 48%
CMY	0.3765, 0.5725, 0.5216
CMYK	0.00, 0.31, 0.23, 0.38
HSL	344°, 21%, 53%
HSV	344°, 31%, 62%
XYZ	23.2796, 19.7133, 20.9904
YIQ	125.4320, 25.6270, 14.6430

# Conversions

## Conversions Part 2

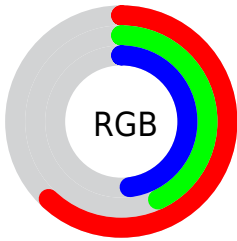
<b>Format</b>	<b>Color</b>
<b>RYB</b>	159, 109, 122
Decimal	10448250
CIELab	51.51, 21.84, 0.86
CIELCh	52, 21.854, 2.264
Yxy	19.7133, 0.3638, 0.3081
Android (android.graphics.Color)	4288638330 (0xFF9F6D7A)
YUV	125.4320, -1.6920, 29.4391
Hunter-Lab	44.3997, 15.8916, 3.0498

# Details

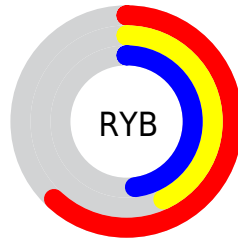
The XYZ color **23.2796, 19.7133, 20.9904** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.8940, 30.1234, 31.7507**, and the grayscale version is **19.6386, 20.6613, 22.5002**.

A 20% lighter version of the original color is **48.4092, 42.9928, 45.7914**, and **8.8152, 6.8827, 7.1672** is the 20% darker color. If you saturate the color by 10%, you get **21.0489, 16.3488, 16.8649**, and if you desaturate by 10%, it is **25.9065, 23.7286, 25.6840**.

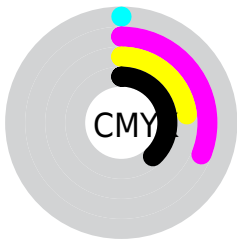
# Distribution



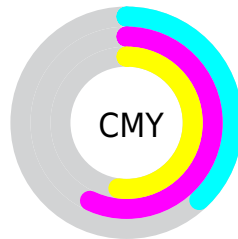
- Red (62%)
- Green (43%)
- Blue (48%)



- Red (62%)
- Yellow (43%)
- Blue (48%)



- Cyan (0%)
- Magenta (31%)
- Yellow (23%)
- Black (38%)



- Cyan (38%)
- Magenta (57%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2796, 19.7133, 20.9904 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 23.2796, 19.7133, 20.9904 by changing the saturation by 10% instead.



■ 23.2796, 19.7133,  
20.9904

■ 23.2796, 19.7133,  
20.9904

261.6664,  
250.3588, 270.0068

■ 14.9219, 12.1868,  
12.9258

■ 48.3153, 42.9360,  
45.9521

■ 8.8506, 6.8710,  
7.2474

■ 65.7241, 59.4010,  
63.6864

■ 4.7002, 3.3816,  
3.5365

■ 86.8805, 79.6143,  
85.4809

■ 2.1054, 1.3340,  
1.3747

■ 112.1501,  
103.9602, 111.7543

■ 0.6921, 0.1673,  
0.1218

141.8981,  
132.8233, 142.9250

■ 0.0000, 0.0000,  
0.0000

176.4900,

166.5878, 179.4116

216.2909,  
205.6381, 221.6327

■ 23.2796, 19.7133,  
20.9904

■ 23.2796, 19.7133,  
20.9904

■ 21.0489, 16.3488,  
16.8649

■ 25.9065, 23.7286,  
25.6840

■ 19.1931, 13.5980,  
13.2843

■ 28.9463, 28.4238,  
30.9652

■ 17.6913, 11.4242,  
10.2254

■ 32.4167, 33.8295,  
36.8544


■ 16.5198, 9.7858,  
7.6629


■ 36.3338, 39.9736,  
43.3701


■ 15.6519, 8.6354,  
5.5690


■ 40.7128, 46.8826,  
50.5305


 15.0564, 7.9171,  
3.9130

 45.5685, 54.5816,  
58.3528

 14.7043, 7.5334,  
2.8075

 50.9146, 63.0945,  
66.8534

 56.7646, 72.4445,  
76.0485

 63.1313, 82.6533,  
85.9535

# Harmonies

## Analogous

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



22.7272, 19.7133, 27.5972



23.2796, 19.7133, 20.9904



22.5381, 19.7133, 15.6357

# Triad

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



23.2796, 19.7133, 20.9904



16.5725, 19.7133, 12.7782



16.8401, 19.7133, 34.0422

# Complementary

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



23.2796, 19.7133, 20.9904



23.8940, 30.1234, 31.7507

# 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.



15.3891, 19.7133, 28.5868



23.2796, 19.7133, 20.9904



15.2433, 19.7133, 16.3150

# Square

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



23.2796, 19.7133, 20.9904



18.5706, 19.7133, 11.5084



14.8273, 19.7133, 21.9455



18.9041, 19.7133, 35.9533



# Rectangle

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



23.2796, 19.7133, 20.9904



21.4412, 19.7133, 13.2525



14.8273, 19.7133, 21.9455



16.2702, 19.7133, 32.5157

# Sweetspot

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



23.2801, 19.7142, 20.9908



53.1839, 52.9913, 57.7563



23.5223, 19.5219, 35.3296



11.8048, 11.6587, 12.7040



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.



23.2801, 19.7142, 20.9908



38.7159, 30.8078, 32.1161



23.8560, 22.0698, 17.4716



6.7003, 6.6730, 7.2730



11.6289, 5.9561, 2.2970



0.2237, 0.1128, 0.1242



# Inverse Universe

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



23.2801, 19.7142, 20.9908



38.7159, 30.8078, 32.1161



23.0511, 26.7264, 36.7450



6.7003, 6.6730, 7.2730



11.6289, 5.9561, 2.2970



0.2237, 0.1128, 0.1242



# Previews

## White Background



This preview shows how the XYZ color 23.2796, 19.7133, 20.9904 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

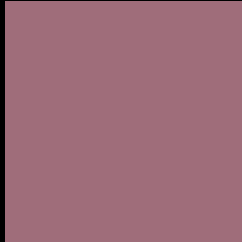
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 23.2796, 19.7133, 20.9904 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

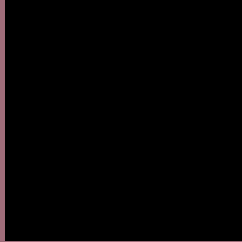
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 23.2796, 19.7133, 20.9904

## Background



This preview shows how black text looks on a background with the XYZ color 23.2796, 19.7133, 20.9904.



This preview shows how white text looks on a background with the XYZ color 23.2796, 19.7133,



# 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

23.2796, 19.7133, 20.9904

### Protanopia

19.1572, 19.7417, 23.9199

### Deuteranopia

20.1403, 19.7840, 20.5265



## Tritanopia

23.1440, 19.8308, 19.7474

# Trichromacy



## Original Color

23.2796, 19.7133, 20.9904

## Protanomaly

20.3454, 19.4891, 22.7681

## Deuteranomaly

21.0835, 19.5712, 20.7556

## Tritanomaly

23.2038, 19.8547, 20.0621

# Monochromacy



## Original Color

23.2796, 19.7133, 20.9904

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.5514, 19.9673, 21.8397

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.2796, 19.7133, 20.9904 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(159, 109, 122)` looks like.

```
.text, #text, p{  
    color:rgb(159, 109, 122)  
}
```

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(159, 109, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 109, 122) }
```

## Border

The CSS property to change the border of an element to XYZ 23.2796, 19.7133, 20.9904 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(159, 109, 122) }
```



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

```
.border{ border-color:rgb(159, 109, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 109, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(159, 109, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(159, 109, 122); box-shadow:4px 4px 4px 4px rgb(159, 109, 122) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.2796, 19.7133, 20.9904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 109, 122) }
```

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

```
.background{ background-color: rgb(159,  
109, 122) }
```

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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