

# Converting Colors

XYZ(23.1095, 19.1885, 21.8081)

Have a look what the booklet for  
XYZ(23.1095, 19.1885, 21.8081)  
contains.

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# Color

**XYZ(23.1538, 19.1597,  
21.8799)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9F6A7D
RGB	159, 106, 125
RGB Percent	62%, 42%, 49%
CMY	0.3765, 0.5843, 0.5098
CMYK	0.00, 0.33, 0.21, 0.38
HSL	338°, 22%, 52%
HSV	338°, 33%, 62%
XYZ	23.1538, 19.1597, 21.8799
YIQ	124.0130, 25.4890, 17.1450

# Conversions

## Conversions Part 2

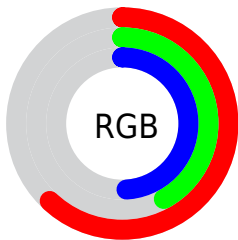
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	159, 106, 125
Decimal	10447485
CIE <sub>Lab</sub>	50.87, 24.02, -1.85
CIE <sub>LCh</sub>	51, 24.094, 355.605
Yxy	19.1597, 0.3607, 0.2985
Android (android.graphics.Color)	4288637565 (0xFF9F6A7D)
YUV	124.0130, 0.4866, 30.6836
Hunter-Lab	43.7718, 17.8198, 1.0034

# Details

The XYZ color **23.1538, 19.1597, 21.8799** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.0765, 29.7544, 29.3394**, and the grayscale version is **19.1555, 20.1531, 21.9467**.

A 20% lighter version of the original color is **48.2871, 42.1151, 47.7035**, and **8.7614, 6.6121, 7.6520** is the 20% darker color. If you saturate the color by 10%, you get **21.0461, 15.9341, 18.1257**, and if you desaturate by 10%, it is **25.6333, 23.0215, 26.0887**.

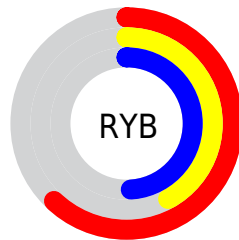
# Distribution



Red (62%)

Green (42%)

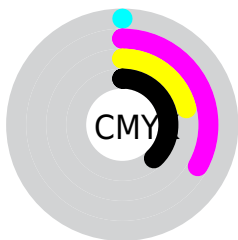
Blue (49%)



Red (62%)

Yellow (42%)

Blue (49%)

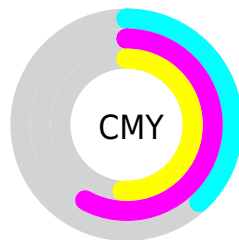


Cyan (0%)

Magenta (33%)

Yellow (21%)

Black (38%)



Cyan (38%)

Magenta (58%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1538, 19.1597, 21.8799 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 23.1538, 19.1597, 21.8799 by changing the saturation by 10% instead.



■ 23.1538, 19.1597,  
21.8799

■ 23.1538, 19.1597,  
21.8799

261.0346,  
247.3290, 274.8515

■ 14.8284, 11.7857,  
13.5712

■ 48.1105, 42.0038,  
47.4471

■ 8.7846, 6.5979,  
7.6877

■ 65.4726, 58.2427,  
65.5426

■ 4.6569, 3.2120,  
3.8109

■ 86.5777, 78.2053,  
87.7375

■ 2.0801, 1.2434,  
1.5222

■ 111.7910,  
102.2762, 114.4503

■ 0.6784, 0.0967,  
0.2344

141.4780,  
130.8396, 146.0996

■ 0.0000, 0.0000,  
0.0000

176.0040,

164.2799, 183.1038

215.7344,  
202.9816, 225.8816

■ 23.1538, 19.1597,  
21.8799

■ 23.1538, 19.1597,  
21.8799

■ 21.0461, 15.9341,  
18.1257

■ 25.6333, 23.0215,  
26.0887

■ 19.2898, 13.3075,  
14.8088

■ 28.5005, 27.5486,  
30.7662

■ 17.8649, 11.2432,  
11.9123


■ 31.7722, 32.7716,  
35.9274


■ 16.7485, 9.6989,  
9.4176


■ 35.4637, 38.7183,  
41.5861


■ 15.9148, 8.6267,  
7.3044


■ 39.5897, 45.4151,  
47.7558


 15.3330, 7.9692,  
5.5503

 44.1639, 52.8870,  
54.4491

 15.0365, 7.6663,  
4.5573

 49.1996, 61.1578,  
61.6783

 54.7094, 70.2504,  
69.4554

 60.7054, 80.1867,  
77.7919

# Harmonies

## Analogous

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



22.2447, 19.1597, 29.1557



23.1538, 19.1597, 21.8799



22.6470, 19.1597, 15.7047

# Triad

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



23.1538, 19.1597, 21.8799



16.3076, 19.1597, 11.1508



15.7510, 19.1597, 33.6211

# Complementary

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



23.1538, 19.1597, 21.8799



23.0765, 29.7544, 29.3394

# 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.



14.3953, 19.1597, 27.0394



23.1538, 19.1597, 21.8799



14.6965, 19.1597, 14.3117

# Square

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



23.1538, 19.1597, 21.8799



18.5629, 19.1597, 10.3501



14.0266, 19.1597, 19.8755



17.8630, 19.1597, 36.8069



# Rectangle

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



23.1538, 19.1597, 21.8799



21.5959, 19.1597, 12.8427



14.0266, 19.1597, 19.8755



15.1992, 19.1597, 31.6713

# Sweetspot

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



23.1543, 19.1606, 21.8803



52.8024, 52.1379, 57.9076



22.1551, 18.3502, 35.1753



11.7349, 11.4849, 12.7860



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.



23.1543, 19.1606, 21.8803



38.6004, 29.9164, 34.1136



22.8129, 20.2376, 16.3407



6.7264, 6.6835, 7.4103



11.8948, 6.0625, 3.6969



0.2320, 0.1161, 0.1677



# Inverse Universe

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



23.1543, 19.1606, 21.8803



38.6004, 29.9164, 34.1136



23.4200, 28.0028, 36.9718



6.7264, 6.6835, 7.4103



11.8948, 6.0625, 3.6969

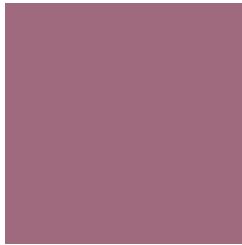


0.2320, 0.1161, 0.1677



# Previews

## White Background



This preview shows how the XYZ color 23.1538, 19.1597, 21.8799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

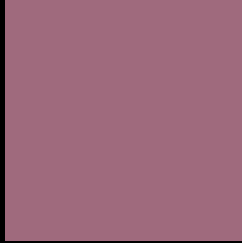
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 23.1538, 19.1597, 21.8799 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

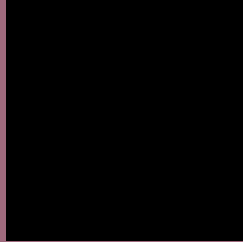
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.1538, 19.1597, 21.8799**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.1538, 19.1597, 21.8799.



This preview shows how white text looks on a background with the XYZ color 23.1538, 19.1597,



# 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

23.1538, 19.1597, 21.8799

### Protanopia

18.8862, 19.3890, 25.3013

### Deuteranopia

19.7265, 19.3735, 21.4386



## Tritanopia

22.6155, 19.2552, 19.0477

# Trichromacy



## Original Color

23.1538, 19.1597, 21.8799

## Protanomaly

20.1736, 19.1978, 24.1150

## Deuteranomaly

20.8107, 19.2406, 21.6858

## Tritanomaly

22.6880, 19.1164, 19.9468

# Monochromacy



## Original Color

23.1538, 19.1597, 21.8799

## Achromatopsia

19.1579, 20.1556, 21.9495

## Achromatomaly

20.3159, 19.4962, 21.7612

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.1538, 19.1597, 21.8799 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, 106, 125)` looks like.

```
.text, #text, p{  
    color:rgb(159, 106, 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(159, 106, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 106, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 23.1538, 19.1597, 21.8799 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, 106, 125) }
```



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

```
.border{ border-color:rgb(159, 106, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 106, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 106, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 106, 125);  
box-shadow:4px 4px 4px 4px rgb(159, 106,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.1538, 19.1597, 21.8799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 106, 125) }
```

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

```
.background{ background-color: rgb(159,  
106, 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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