

# Converting Colors

XYZ(23.0650, 19.5300, 23.4425)

Have a look what the booklet for  
XYZ(23.0650, 19.5300, 23.4425)  
contains.

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# Color

**XYZ(23.1414, 19.5902,  
23.3305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	9C6D81
RGB	156, 109, 129
RGB Percent	61%, 43%, 51%
CMY	0.3882, 0.5725, 0.4941
CMYK	0.00, 0.30, 0.17, 0.39
HSL	334°, 19%, 52%
HSV	334°, 30%, 61%
XYZ	23.1414, 19.5902, 23.3305
YIQ	125.3330, 21.5920, 16.1840

# Conversions

## Conversions Part 2

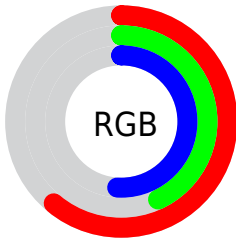
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	156, 109, 129
Decimal	10251649
CIE Lab	51.37, 21.82, -3.52
CIE LCh	51, 22.107, 350.831
Yxy	19.5902, 0.3503, 0.2965
Android (android.graphics.Color)	4288441729 (0xFF9C6D81)
YUV	125.3330, 1.8078, 26.8950
Hunter-Lab	44.2608, 15.8708, -0.2700

# Details

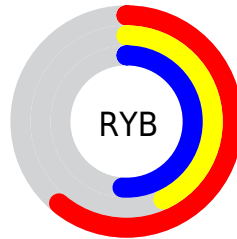
The XYZ color **23.1414, 19.5902, 23.3305** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.6399, 28.8062, 27.6608**, and the grayscale version is **19.5947, 20.6152, 22.4499**.

A 20% lighter version of the original color is **48.0523, 42.7160, 49.9684**, and **8.8256, 6.8597, 8.4483** is the 20% darker color. If you saturate the color by 10%, you get **21.0528, 16.3248, 19.8229**, and if you desaturate by 10%, it is **25.5788, 23.4691, 27.2126**.

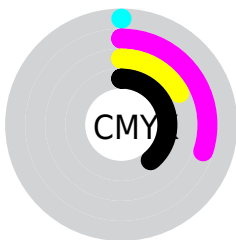
# Distribution



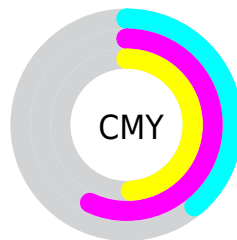
- Red (61%)
- Green (43%)
- Blue (51%)



- Red (61%)
- Yellow (43%)
- Blue (51%)



- Cyan (0%)
- Magenta (30%)
- Yellow (17%)
- Black (39%)




- Cyan (39%)
- Magenta (57%)
- Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1414, 19.5902, 23.3305 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 23.1414, 19.5902, 23.3305 by changing the saturation by 10% instead.





 23.1414, 19.5902,  
23.3305


 23.1414, 19.5902,  
23.3305


260.9722,  
249.6879, 282.5947


 14.8192, 12.0975,  
14.6301


 48.0904, 42.7290,  
49.8655


 8.7781, 6.8101,  
8.4165


 65.4478, 59.1440,  
68.5372

 4.6527, 3.3436,  
4.2710

 86.5478, 79.3018,  
91.3698

 2.0776, 1.3137,  
1.7752

 111.7556,  
103.5869, 118.7818

 0.6770, 0.1517,  
0.4115

141.4366,  
132.3837, 151.1918

 0.0000, 0.0000,  
0.0000

175.9561,

166.0765, 189.0182

215.6795,  
205.0498, 232.6797

■ 23.1414, 19.5902,  
23.3305

■ 23.1414, 19.5902,  
23.3305

■ 21.0528, 16.3248,  
19.8229

■ 25.5788, 23.4691,  
27.2126

■ 19.2943, 13.6383,  
16.6765

■ 28.3789, 27.9881,  
31.4796

■ 17.8481, 11.4970,  
13.8785


■ 31.5573, 33.1757,  
36.1430


■ 16.6937, 9.8625,  
11.4150


■ 35.1277, 39.0579,  
41.2133


■ 15.8081, 8.6912,  
9.2708


■ 39.1033, 45.6591,  
46.7006


 15.1648, 7.9322,  
7.4292

 43.4968, 53.0027,  
52.6148

 14.7049, 7.4658,  
5.8788

 48.3201, 61.1109,  
58.9653

 53.5848, 70.0052,  
65.7611

 59.3019, 79.7059,  
73.0111

# Harmonies

## Analogous

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



22.1152, 19.5902, 29.9843



23.1414, 19.5902, 23.3305



22.8839, 19.5902, 17.2860

# Triad

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



23.1414, 19.5902, 23.3305



17.1483, 19.5902, 11.8525



16.0611, 19.5902, 32.2340

# Complementary

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



23.1414, 19.5902, 23.3305



22.6399, 28.8062, 27.6608

# 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.



14.9215, 19.5902, 25.9610



23.1414, 19.5902, 23.3305



15.5138, 19.5902, 14.5258

# Square

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



23.1414, 19.5902, 23.3305



19.3058, 19.5902, 11.4248



14.7294, 19.5902, 19.4480



17.9505, 19.5902, 35.7539



# Rectangle

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



23.1414, 19.5902, 23.3305



22.0264, 19.5902, 14.3174



14.7294, 19.5902, 19.4480



15.5841, 19.5902, 30.3251

# Sweetspot

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



23.1420, 19.5911, 23.3309



52.0612, 51.6741, 57.9471



21.5641, 18.5422, 33.8952



11.2926, 11.1057, 12.5074



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.1420, 19.5911, 23.3309



39.4637, 31.5538, 38.1037



22.2802, 19.7908, 17.1148



6.7443, 6.6906, 7.5047



12.1290, 6.1562, 4.9302



0.2376, 0.1184, 0.1973



# Inverse Universe

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



23.1420, 19.5911, 23.3309



39.4637, 31.5538, 38.1037



23.6775, 28.3909, 35.6847



6.7443, 6.6906, 7.5047



12.1290, 6.1562, 4.9302

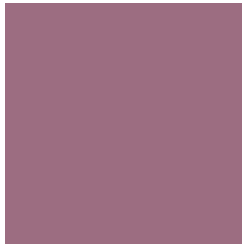


0.2376, 0.1184, 0.1973



# Previews

## White Background



This preview shows how the XYZ color 23.1414, 19.5902, 23.3305 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

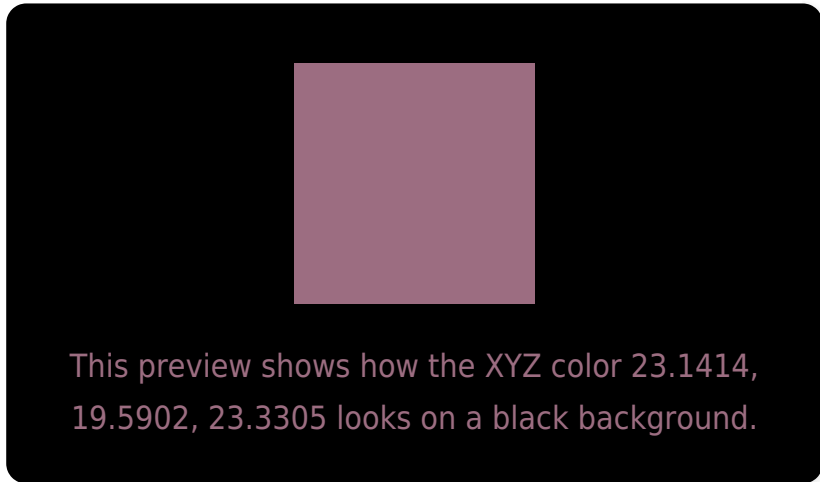
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

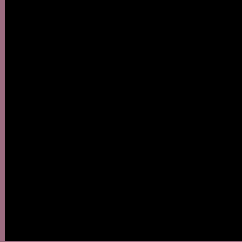
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 23.1414, 19.5902, 23.3305**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.1414, 19.5902, 23.3305.



This preview shows how white text looks on a background with the XYZ color 23.1414, 19.5902,



# 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

23.1414, 19.5902, 23.3305

### Protanopia

19.3600, 19.7902, 26.4664

### Deuteranopia

20.1005, 19.7125, 22.8242



## Tritanopia

22.5318, 19.6694, 20.0618

# Trichromacy



## Original Color

23.1414, 19.5902, 23.3305

## Protanomaly

20.4959, 19.5121, 25.2402

## Deuteranomaly

21.0115, 19.4827, 23.0752

## Tritanomaly

22.6687, 19.5505, 21.3177

# Monochromacy



## Original Color

23.1414, 19.5902, 23.3305

## Achromatopsia

19.4927, 20.5079, 22.3331

## Achromatomaly

20.5161, 19.9343, 22.5050

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.1414, 19.5902, 23.3305 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(156, 109, 129)` looks like.

```
.text, #text, p{  
    color:rgb(156, 109, 129)  
}
```

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(156, 109, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 109, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 23.1414, 19.5902, 23.3305 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(156, 109, 129) }
```



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

```
.border{ border-color:rgb(156, 109, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 109, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 109, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 109, 129);  
box-shadow:4px 4px 4px 4px rgb(156, 109,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.1414, 19.5902, 23.3305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 109, 129) }
```

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

```
.background{ background-color: rgb(156,  
109, 129) }
```

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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