

# Converting Colors

XYZ(23.0829, 21.3434, 25.9183)

Have a look what the booklet for  
XYZ(23.0829, 21.3434, 25.9183)  
contains.

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# Color

**XYZ(23.1223, 21.3853,  
25.8308)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	937887
RGB	147, 120, 135
RGB Percent	58%, 47%, 53%
CMY	0.4235, 0.5294, 0.4706
CMYK	0.00, 0.18, 0.08, 0.42
HSL	327°, 11%, 52%
HSV	327°, 18%, 58%
XYZ	23.1223, 21.3853, 25.8308
YIQ	129.7830, 11.2770, 10.3890

# Conversions

## Conversions Part 2

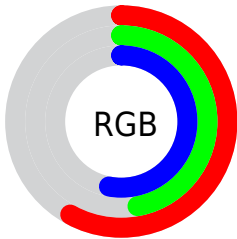
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	147, 120, 135
Decimal	9664647
CIE <sub>Lab</sub>	53.37, 13.13, -4.21
CIE <sub>LCh</sub>	53, 13.785, 342.222
Yxy	21.3853, 0.3287, 0.3040
Android (android.graphics.Color)	4287854727 (0xFF937887)
<b>YUV</b>	129.7830, 2.5720, 15.0993
Hunter-Lab	46.2442, 8.3233, -0.7468

# Details

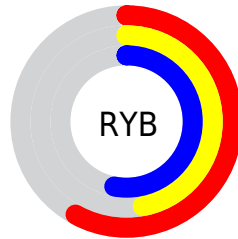
The XYZ color **23.1223, 21.3853, 25.8308** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.3452, 26.5271, 25.7736**, and the grayscale version is **21.1304, 22.2309, 24.2094**.

A 20% lighter version of the original color is **47.9170, 45.5534, 53.8441**, and **8.7168, 7.6492, 9.6113** is the 20% darker color. If you saturate the color by 10%, you get **21.0424, 17.9391, 22.9371**, and if you desaturate by 10%, it is **25.5031, 25.3876, 28.9646**.

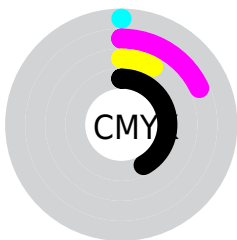
# Distribution



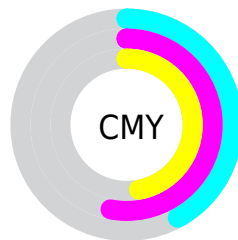
- Red (58%)
- Green (47%)
- Blue (53%)



- Red (58%)
- Yellow (47%)
- Blue (53%)



- Cyan (0%)
- Magenta (18%)
- Yellow (8%)
- Black (42%)



- Cyan (42%)
- Magenta (53%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 23.1223, 21.3853, 25.8308 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 23.1223, 21.3853, 25.8308 by changing the saturation by 10% instead.



■ 23.1223, 21.3853,  
25.8308

■ 23.1223, 21.3853,  
25.8308

260.8761,  
259.3191, 295.5295

■ 14.8050, 13.4059,  
16.4725

■ 48.0592, 45.7279,  
53.9826

■ 8.7681, 7.7087,  
9.7011

■ 65.4096, 62.8599,  
73.6131

■ 4.6461, 3.9091,  
5.0983

■ 86.5018, 83.8116,  
97.5048

■ 2.0738, 1.6228,  
2.2453

111.7010,  
108.9674, 126.0762

■ 0.6749, 0.3729,  
0.7003

141.3727,  
138.7117, 159.7458

■ 0.0000, 0.0000,  
0.0000

175.8822,

173.4288, 198.9322

215.5949,  
213.5031, 244.0539

■ 23.1223, 21.3853,  
25.8308

■ 23.1223, 21.3853,  
25.8308

■ 21.0424, 17.9391,  
22.9371

■ 25.5031, 25.3876,  
28.9646

■ 19.2487, 15.0212,  
20.2754

■ 28.1950, 29.9663,  
32.3436

■ 17.7281, 12.6057,  
17.8390

■ 31.2099, 35.1445,  
35.9744

■ 16.4654, 10.6636,  
15.6203

■ 34.5587, 40.9429,  
39.8629

■ 15.4443, 9.1625,  
13.6111

■ 38.2516, 47.3812,  
44.0147

■ 14.6460, 8.0664,  
11.8024

■ 42.2984, 54.4785,  
48.4353

■ 14.0490, 7.3329,  
10.1841

■ 46.7086, 62.2528,  
53.1300

■ 13.6097, 6.8756,  
8.7386

■ 51.4911, 70.7216,  
58.1038

■ 13.5429, 6.8072,  
8.5152

■ 56.6548, 79.9017,  
63.3619

# Harmonies

## Analogous

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



22.2744, 21.3853, 29.7706



23.1223, 21.3853, 25.8308



23.1993, 21.3853, 21.6218

# Triad

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



23.1223, 21.3853, 25.8308



19.7368, 21.3853, 16.2694



18.3145, 21.3853, 29.1252

# Complementary

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



23.1223, 21.3853, 25.8308



22.3452, 26.5271, 25.7736

# 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.



17.7005, 21.3853, 25.0312



23.1223, 21.3853, 25.8308



18.4949, 21.3853, 17.8171

# Square

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



23.1223, 21.3853, 25.8308



21.1966, 21.3853, 16.4289



17.7649, 21.3853, 20.9121



19.4797, 21.3853, 31.8238



# Rectangle

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



23.1223, 21.3853, 25.8308



22.7983, 21.3853, 19.2505



17.7649, 21.3853, 20.9121



18.0394, 21.3853, 27.8470

# Sweetspot

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



23.1229, 21.3862, 25.8313



46.7035, 47.2121, 53.1891



21.4527, 20.4220, 30.4152



10.6004, 10.6741, 12.0642



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896



# Same Dimension

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



23.1229, 21.3862, 25.8313



39.8231, 35.6588, 44.0902



22.2504, 21.0372, 21.2365



5.9275, 5.8661, 6.7245



11.7534, 5.9064, 7.4484



0.1587, 0.0782, 0.1694



# Inverse Universe

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



23.1229, 21.3862, 25.8313



39.8231, 35.6588, 44.0902



23.3064, 26.9116, 30.8355



5.9275, 5.8661, 6.7245



11.7534, 5.9064, 7.4484

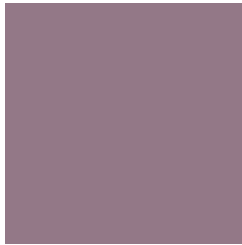


0.1587, 0.0782, 0.1694



# Previews

## White Background



This preview shows how the XYZ color 23.1223, 21.3853, 25.8308 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

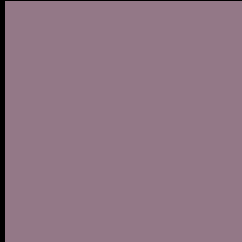
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 23.1223, 21.3853, 25.8308 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 23.1223, 21.3853, 25.8308**

## **Background**



This preview shows how black text looks on a background with the XYZ color 23.1223, 21.3853, 25.8308.



This preview shows how white text looks on a background with the XYZ color 23.1223, 21.3853,



# 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

23.1223, 21.3853, 25.8308

### Protanopia

21.0020, 21.5548, 27.4797

### Deuteranopia

21.8273, 21.4549, 25.5450



## Tritanopia

22.7207, 21.3974, 24.0517

# Trichromacy



## Original Color

23.1223, 21.3853, 25.8308

## Protanomaly

21.6266, 21.3186, 27.0198

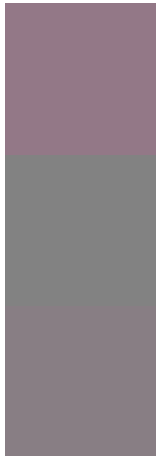
## Deuteranomaly

22.3705, 21.5499, 25.5347

## Tritanomaly

22.8563, 21.4517, 24.7657

# Monochromacy



## Original Color

23.1223, 21.3853, 25.8308

## Achromatopsia

21.2178, 22.3228, 24.3095

## Achromatomaly

21.7791, 21.8219, 24.8940

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 23.1223, 21.3853, 25.8308 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(147, 120, 135)` looks like.

```
.text, #text, p{  
    color:rgb(147, 120, 135)  
}
```

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(147, 120, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 120, 135) }
```

## Border

The CSS property to change the border of an element to XYZ 23.1223, 21.3853, 25.8308 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(147, 120, 135) }
```



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

```
.border{ border-color:rgb(147, 120, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 120, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 120, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 120, 135);  
box-shadow:4px 4px 4px 4px rgb(147, 120,  
135) }
```

# Background

The CSS property to change the background color of an element to XYZ 23.1223, 21.3853, 25.8308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 120, 135) }
```

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

```
.background{ background-color: rgb(147,  
120, 135) }
```

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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