

# Converting Colors

XYZ(25.3340, 23.1499, 14.0775)

Have a look what the booklet for  
XYZ(25.3340, 23.1499, 14.0775)  
contains.

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# Color

**XYZ(25.3873, 23.1803,  
13.9627)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A97A5F
RGB	169, 122, 95
RGB Percent	66%, 48%, 37%
CMY	0.3373, 0.5216, 0.6274
CMYK	0.00, 0.28, 0.44, 0.34
HSL	22°, 30%, 52%
HSV	22°, 44%, 66%
XYZ	25.3873, 23.1803, 13.9627
YIQ	132.9750, 36.6790, 1.5670

# Conversions

## Conversions Part 2

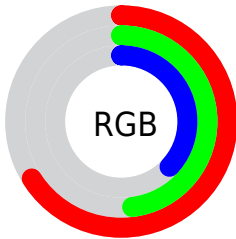
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	169, 138, 95
Decimal	11106911
CIE Lab	55.26, 14.86, 22.00
CIE LCh	55, 26.551, 55.965
Yxy	23.1803, 0.4060, 0.3707
Android (android.graphics.Color)	4289296991 (0xFFA97A5F)
YUV	132.9750, -18.7217, 31.5939
Hunter-Lab	48.1459, 9.8675, 16.5076

# Details

The XYZ color **25.3873, 23.1803, 13.9627** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.5534, 24.6426, 41.1566**, and the grayscale version is **22.3424, 23.5059, 25.5979**.

A 20% lighter version of the original color is **51.8823, 48.9040, 33.8991**, and **9.9863, 8.6233, 3.9344** is the 20% darker color. If you saturate the color by 10%, you get **23.4551, 20.4147, 9.9310**, and if you desaturate by 10%, it is **27.6329, 26.3059, 18.9216**.

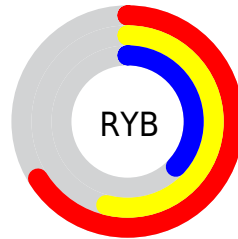
# Distribution



Red (66%)

Green (48%)

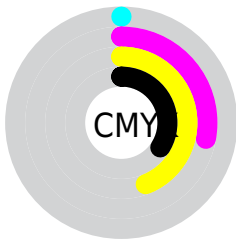
Blue (37%)



Red (66%)

Yellow (54%)

Blue (37%)

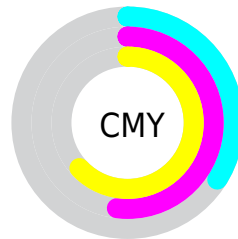


Cyan (0%)

Magenta (28%)

Yellow (44%)

Black (34%)



Cyan (34%)

Magenta (52%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.3873, 23.1803, 13.9627 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 25.3873, 23.1803, 13.9627 by changing the saturation by 10% instead.





 25.3873, 23.1803,  
13.9627


 25.3873, 23.1803,  
13.9627


272.0735,  
268.6497, 228.4190


 16.4961, 14.7267,  
7.9563


 51.7232, 48.6892,  
33.7390


 9.9690, 8.6278,  
3.9796


 69.8987, 66.5133,  
48.3460

 5.4405, 4.4992,  
1.6142

 91.8996, 88.2297,  
66.6568

 2.5453, 1.9566,  
0.3009

 118.0913,  
114.2228, 89.0902

 0.9182, 0.5820,  
0.0000

148.8392,  
144.8769, 116.0645

 0.0000, 0.0000,  
0.0000

184.5086,

180.5765, 147.9984

225.4649,  
221.7060, 185.3104

■ 25.3873, 23.1803,  
13.9627

■ 25.3873, 23.1803,  
13.9627

■ 23.4551, 20.4147,  
9.9310

■ 27.6329, 26.3059,  
18.9216

■ 21.8189, 17.9921,  
6.7662

■ 30.2047, 29.8012,  
24.8599

■ 20.4623, 15.8987,  
4.4030

■ 33.1165, 33.6794,  
31.8278

■ 19.3659, 14.1185,  
2.7659

■ 36.3810, 37.9524,  
39.8714

■ 18.5075, 12.6335,  
1.7647

■ 40.0102, 42.6311,  
49.0340

■ 18.0669, 11.8445,  
1.3340

■ 44.0155, 47.7264,  
59.3566

■ 48.4077, 53.2483,  
70.8781

■ 53.1971, 59.2070,  
83.6355

■ 58.3939, 65.6118,  
97.6643

# Harmonies

## Analogous

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



27.5786, 23.1803, 18.7317



25.3873, 23.1803, 13.9627



22.4367, 23.1803, 12.1825

# Triad

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



25.3873, 23.1803, 13.9627



16.8101, 23.1803, 24.1054



24.6296, 23.1803, 42.9946

# Complementary

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



25.3873, 23.1803, 13.9627



21.5534, 24.6426, 41.1566

# 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.



21.6326, 23.1803, 45.3337



25.3873, 23.1803, 13.9627



17.2842, 23.1803, 33.1028

# Square

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



25.3873, 23.1803, 13.9627



17.6284, 23.1803, 17.1440



18.9865, 23.1803, 41.3730



27.1143, 23.1803, 35.5504



# Rectangle

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



25.3873, 23.1803, 13.9627



20.4977, 23.1803, 12.5496



18.9865, 23.1803, 41.3730



23.6414, 23.1803, 44.4667

# Sweetspot

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



25.3879, 23.1814, 13.9632



59.6167, 60.7230, 57.7483



25.4201, 18.6059, 28.2780



12.7387, 12.8979, 11.9677



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.



25.3879, 23.1814, 13.9632



41.9551, 36.4865, 17.6820



30.6376, 33.6809, 15.7131



7.7469, 7.9739, 7.9201



13.5125, 8.9222, 1.0100



0.3775, 0.3146, 0.0408



# Inverse Universe

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



21.5534, 24.6426, 41.1566



34.1271, 39.4175, 73.0347



17.0453, 15.6265, 39.6539



7.5139, 8.0648, 9.5790



9.3338, 10.1278, 29.4384

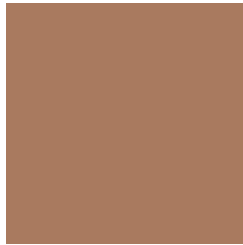


0.2732, 0.3387, 0.7316



# Previews

## White Background



This preview shows how the XYZ color 25.3873, 23.1803, 13.9627 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 25.3873, 23.1803, 13.9627 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 25.3873, 23.1803, 13.9627**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.3873, 23.1803, 13.9627.



This preview shows how white text looks on a background with the XYZ color 25.3873, 23.1803,



# 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

25.3873, 23.1803, 13.9627

### Protanopia

21.7068, 23.1734, 15.3854

### Deuteranopia

23.7103, 23.2560, 13.8289



## Tritanopia

27.3225, 23.2598, 23.1282

# Trichromacy



## Original Color

25.3873, 23.1803, 13.9627

## Protanomaly

22.8727, 22.9956, 14.7883

## Deuteranomaly

24.2543, 23.1568, 13.7810

## Tritanomaly

26.4859, 23.0894, 19.2804

# Monochromacy



## Original Color

25.3873, 23.1803, 13.9627

## Achromatopsia

22.2940, 23.4551, 25.5426

## Achromatomaly

23.0341, 23.1434, 20.7059

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.3873, 23.1803, 13.9627 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(169, 122, 95)` looks like.

```
.text, #text, p{  
    color:rgb(169, 122, 95)  
}
```

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(169, 122, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 122, 95) }
```

## Border

The CSS property to change the border of an element to XYZ 25.3873, 23.1803, 13.9627 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(169, 122, 95) }
```



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

```
.border{ border-color:rgb(169, 122, 95) }
```

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

Here you see how a box with a 4 pixel rgb(169, 122, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 122, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 122, 95);  
box-shadow:4px 4px 4px 4px rgb(169, 122,  
95) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.3873, 23.1803, 13.9627 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 122, 95) }
```

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

```
.background{ background-color: rgb(169,  
122, 95) }
```

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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