

# Converting Colors

XYZ(25.6354, 23.0000, 20.3439)

Have a look what the booklet for  
XYZ(25.6354, 23.0000, 20.3439)  
contains.

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# Color

**XYZ(25.6244, 22.9821,  
20.2250)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A57976
RGB	165, 121, 118
RGB Percent	65%, 47%, 46%
CMY	0.3529, 0.5255, 0.5373
CMYK	0.00, 0.27, 0.28, 0.35
HSL	4°, 21%, 55%
HSV	4°, 28%, 65%
XYZ	25.6244, 22.9821, 20.2250
YIQ	133.8140, 27.1870, 8.3950

# Conversions

## Conversions Part 2

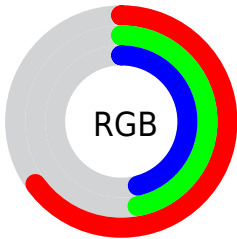
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 121, 118
Decimal	10844534
CIE <sub>Lab</sub>	55.05, 16.74, 8.39
CIE <sub>LCh</sub>	55, 18.724, 26.630
Yxy	22.9821, 0.3723, 0.3339
Android (android.graphics.Color)	4289034614 (0xFFA57976)
YUV	133.8140, -7.7963, 27.3501
Hunter-Lab	47.9396, 11.5163, 8.5442

# Details

The XYZ color **25.6244, 22.9821, 20.2250** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.1826, 32.4076, 40.4199**, and the grayscale version is **22.6129, 23.7906, 25.9079**.

A 20% lighter version of the original color is **52.2105, 48.5465, 44.6488**, and **10.1049, 8.5217, 6.9066** is the 20% darker color. If you saturate the color by 10%, you get **22.9993, 19.1661, 14.9283**, and if you desaturate by 10%, it is **28.7228, 27.4699, 26.5263**.

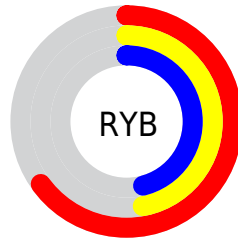
# Distribution



Red (65%)

Green (47%)

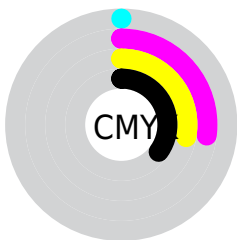
Blue (46%)



Red (65%)

Yellow (47%)

Blue (46%)

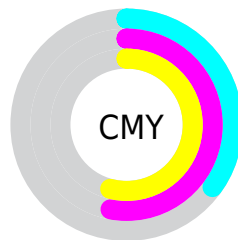


Cyan (0%)

Magenta (27%)

Yellow (28%)

Black (35%)



Cyan (35%)

Magenta (53%)


Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 25.6244, 22.9821, 20.2250 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 25.6244, 22.9821, 20.2250 by changing the saturation by 10% instead.




 25.6244, 22.9821,  
20.2250


 25.6244, 22.9821,  
20.2250


273.2240,  
267.6330, 265.7750


 16.6741, 14.5803,  
12.3730

 52.1040, 48.3639,  
44.6580

 10.0962, 8.5254,  
6.8726


 70.3640, 66.1127,  
62.0761

 5.5256, 4.4329,  
3.3053


 92.4579, 87.7460,  
83.5200

 2.5967, 1.9186,  
1.2526

118.7512,  
113.6481, 109.4082

 0.9443, 0.5595,  
0.0224

149.6090,  
144.2035, 140.1592

 0.0000, 0.0000,  
0.0000

185.3969,

179.7965, 176.1917

226.4801,  
220.8116, 217.9241

■ 25.6244, 22.9821,  
20.2250

■ 25.6244, 22.9821,  
20.2250

■ 22.9993, 19.1661,  
14.9283

■ 28.7228, 27.4699,  
26.5263

■ 20.8225, 15.9867,  
10.5828

■ 32.3143, 32.6563,  
33.8787

■ 19.0694, 13.4100,  
7.1327

■ 36.4198, 38.5705,  
42.3278

■ 17.7123, 11.3981,  
4.5154

■ 41.0584, 45.2391,  
51.9159

■ 16.7203, 9.9084,  
2.6607

■ 46.2482, 52.6874,  
62.6832

■ 16.0577, 8.8926,  
1.4863

■ 52.0066, 60.9393,  
74.6677

■ 15.6732, 8.2897,  
0.8458

■ 58.3502, 70.0181,  
87.9060

■ 15.6315, 8.2283,  
0.7644

■ 65.2947, 79.9458,  
102.4329

■ 69.3270, 86.7393,  
107.6962

# Harmonies

## Analogous

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



26.0922, 22.9821, 25.7041



25.6244, 22.9821, 20.2250



24.1224, 22.9821, 16.6125

# Triad

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



25.6244, 22.9821, 20.2250



18.6659, 22.9821, 19.2282



21.6091, 22.9821, 38.3140

# Complementary

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



25.6244, 22.9821, 20.2250



27.1826, 32.4076, 40.4199

# 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.



19.7134, 22.9821, 35.8809



25.6244, 22.9821, 20.2250



18.0835, 22.9821, 24.3552

# Square

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



25.6244, 22.9821, 20.2250



20.0968, 22.9821, 16.1045



18.4546, 22.9821, 30.5268



23.6892, 22.9821, 36.7454



# Rectangle

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



25.6244, 22.9821, 20.2250



22.7834, 22.9821, 15.4384



18.4546, 22.9821, 30.5268



20.9304, 22.9821, 37.9286

# Sweetspot

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



25.6250, 22.9832, 20.2255



57.4061, 57.8122, 59.7168



28.5751, 23.5882, 37.5330



12.3450, 12.3429, 12.6344



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430



# Same Dimension

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



25.6250, 22.9832, 20.2255



42.9083, 36.8262, 30.1913



28.7377, 29.2086, 21.2630



7.1084, 7.1553, 7.3865



11.8396, 6.2532, 0.5830



0.2590, 0.1519, 0.0157



# Inverse Universe

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



27.1826, 32.4076, 40.4199



46.1457, 56.4300, 72.2123



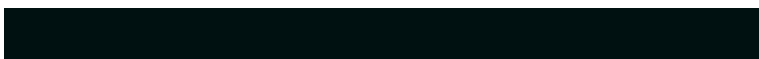
23.5173, 25.0771, 39.1981



7.2372, 7.9334, 9.0529



13.9507, 19.6808, 29.9933



0.3039, 0.4351, 0.6338



# Previews

## White Background



This preview shows how the XYZ color 25.6244, 22.9821, 20.2250 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

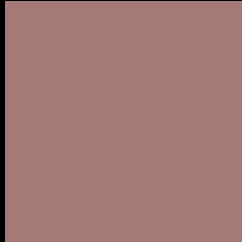
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 25.6244, 22.9821, 20.2250 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 25.6244, 22.9821, 20.2250**

## **Background**



This preview shows how black text looks on a background with the XYZ color 25.6244, 22.9821, 20.2250.



This preview shows how white text looks on a background with the XYZ color 25.6244, 22.9821,



# 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

25.6244, 22.9821, 20.2250

### Protanopia

22.0427, 23.1920, 22.3835

### Deuteranopia

23.3779, 22.9471, 20.0267



## Tritanopia

26.2852, 22.8856, 23.8009

# Trichromacy



## Original Color

25.6244, 22.9821, 20.2250

## Protanomaly

23.2646, 23.0465, 21.6346

## Deuteranomaly

24.0621, 22.9201, 19.9854

## Tritanomaly

26.1440, 23.0206, 22.4675

# Monochromacy



## Original Color

25.6244, 22.9821, 20.2250

## Achromatopsia

22.6597, 23.8398, 25.9615

## Achromatomaly

23.4236, 23.2788, 23.6808

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 25.6244, 22.9821, 20.2250 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(165, 121, 118)` looks like.

```
.text, #text, p{  
    color:rgb(165, 121, 118)  
}
```

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(165, 121, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 121, 118) }
```

## Border

The CSS property to change the border of an element to XYZ 25.6244, 22.9821, 20.2250 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".

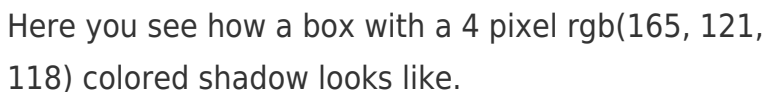
```
.border, #border, table{ border:4px solid rgb(165, 121, 118) }
```



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

```
.border{ border-color:rgb(165, 121, 118) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 121, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 121, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 121, 118);  
box-shadow:4px 4px 4px 4px rgb(165, 121,  
118) }
```

# Background

The CSS property to change the background color of an element to XYZ 25.6244, 22.9821, 20.2250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 121, 118) }
```

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

```
.background{ background-color: rgb(165,  
121, 118) }
```

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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