

# Converting Colors

XYZ(24.5621, 22.1723, 15.8171)

Have a look what the booklet for  
XYZ(24.5621, 22.1723, 15.8171)  
contains.

<b>XYZ(24.5621, 22.1723, 15.8171)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(24.5621, 22.1723,  
15.8171)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">A57767</a>
RGB	<a href="#">165, 119, 103</a>
RGB Percent	<a href="#">65%, 47%, 40%</a>
CMY	<a href="#">0.3529, 0.5333, 0.5961</a>
CMYK	<a href="#">0.00, 0.28, 0.38, 0.35</a>
HSL	<a href="#">15°, 26%, 53%</a>
HSV	<a href="#">15°, 38%, 65%</a>
XYZ	<a href="#">24.5621, 22.1723, 15.8171</a>
YIQ	<a href="#">130.9300, 32.5520, 4.7760</a>

# Conversions

## Conversions Part 2

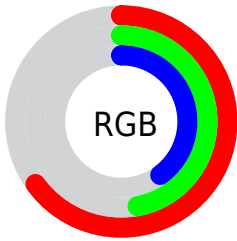
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	165, 125, 103
Decimal	10844007
CIE <sub>Lab</sub>	54.21, 15.85, 15.91
CIE <sub>LCh</sub>	54, 22.462, 45.114
Yxy	22.1723, 0.3927, 0.3545
Android (android.graphics.Color)	4289034087 (0xFFA57767)
YUV	130.9300, -13.7695, 29.8794
Hunter-Lab	47.0875, 10.7074, 13.0452

# Details

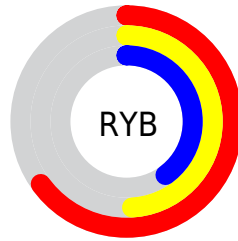
The XYZ color **24.5621, 22.1723, 15.8171** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.1321, 27.0941, 39.6079**, and the grayscale version is **21.5884, 22.7127, 24.7341**.

A 20% lighter version of the original color is **50.2144, 46.8311, 36.9646**, and **9.4595, 8.0453, 4.7957** is the 20% darker color. If you saturate the color by 10%, you get **22.4501, 19.1455, 11.4225**, and if you desaturate by 10%, it is **27.0263, 25.6419, 21.1359**.

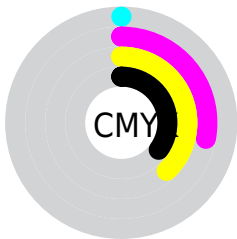
# Distribution



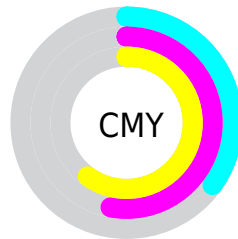
- Red (65%)
- Green (47%)
- Blue (40%)



- Red (65%)
- Yellow (49%)
- Blue (40%)



- Cyan (0%)
- Magenta (28%)
- Yellow (38%)
- Black (35%)




- Cyan (35%)
- Magenta (53%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5621, 22.1723, 15.8171 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 24.5621, 22.1723, 15.8171 by changing the saturation by 10% instead.





 24.5621, 22.1723,  
15.8171


 24.5621, 22.1723,  
15.8171


268.0381,  
263.4447, 240.0688


 15.8781, 13.9836,  
9.2419


 50.3940, 47.0306,  
37.0428


 9.5282, 8.1092,  
4.8003


 68.2725, 64.4690,  
52.5303

 5.1472, 4.1649,  
2.0739

 89.9466, 85.7593,  
71.8256

 2.3695, 1.7662,  
0.6002

 115.7817,  
111.2860, 95.3473

 0.8299, 0.4660,  
0.0000

146.1430,  
141.4336, 123.5139

 0.0000, 0.0000,  
0.0000

181.3959,

176.5863, 156.7440

221.9059,  
217.1285, 195.4561

■ 24.5621, 22.1723,  
15.8171

■ 24.5621, 22.1723,  
15.8171

■ 22.4501, 19.1455,  
11.4225

■ 27.0263, 25.6419,  
21.1359

■ 20.6719, 16.5402,  
7.8976

■ 29.8567, 29.5682,  
27.4266

■ 19.2098, 14.3382,  
5.1840


■ 33.0685, 33.9683,  
34.7351

■ 18.0437, 12.5183,  
3.2156


■ 36.6754, 38.8576,  
43.1039


■ 17.1508, 11.0576,  
1.9158


■ 40.6906, 44.2504,  
52.5734


 16.4988, 9.9278,  
1.1616

 45.1266, 50.1610,  
63.1815

 16.3661, 9.6975,  
1.0092

 49.9952, 56.6027,  
74.9644

 55.3080, 63.5884,  
87.9569

 61.0761, 71.1306,  
102.1921

# Harmonies

## Analogous

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



25.9367, 22.1723, 20.8046



24.5621, 22.1723, 15.8171



22.3027, 22.1723, 13.3438

# Triad

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



24.5621, 22.1723, 15.8171



16.8566, 22.1723, 20.8514



22.3215, 22.1723, 39.5790

# Complementary

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



24.5621, 22.1723, 15.8171



23.1321, 27.0941, 39.6079

# 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.



19.8914, 22.1723, 39.5982



24.5621, 22.1723, 15.8171



16.8608, 22.1723, 27.8182

# Square

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



24.5621, 22.1723, 15.8171



17.9212, 22.1723, 15.8456



17.9330, 22.1723, 34.9703



24.5767, 22.1723, 34.9219



# Rectangle

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



24.5621, 22.1723, 15.8171



20.6586, 22.1723, 13.0778



17.9330, 22.1723, 34.9703



21.4952, 22.1723, 40.1537

# Sweetspot

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



24.5627, 22.1734, 15.8175



57.0568, 57.8773, 57.2458



25.8323, 19.8860, 31.1205



12.3126, 12.4326, 12.1479



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.



24.5627, 22.1734, 15.8175



40.8248, 35.1819, 21.7195



28.7921, 30.6322, 17.2273



7.2155, 7.3694, 7.4222



12.4166, 7.4072, 0.7753



0.2967, 0.2272, 0.0282



# Inverse Universe

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



23.1321, 27.0941, 39.6079



37.8750, 45.2363, 70.4876



18.9228, 18.6754, 38.2047



7.1207, 7.7003, 9.0141



10.4827, 12.7448, 28.8373



0.2550, 0.3373, 0.6175



# Previews

## White Background



This preview shows how the XYZ color 24.5621, 22.1723, 15.8171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

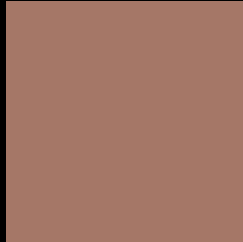
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.5621, 22.1723, 15.8171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

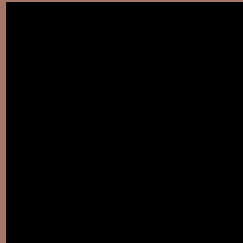
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.5621, 22.1723, 15.8171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.5621, 22.1723, 15.8171.



This preview shows how white text looks on a background with the XYZ color 24.5621, 22.1723,

15.8171.

# 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

24.5621, 22.1723, 15.8171

### Protanopia

21.0059, 22.3663, 17.3974

### Deuteranopia

22.6808, 22.3019, 15.6797



## Tritanopia

25.8834, 22.1869, 22.3203

# Trichromacy



## Original Color

24.5621, 22.1723, 15.8171

## Protanomaly

22.0950, 22.1654, 16.7495

## Deuteranomaly

23.3859, 22.2933, 15.6408

## Tritanomaly

25.2981, 22.1139, 19.7647

# Monochromacy



## Original Color

24.5621, 22.1723, 15.8171

## Achromatopsia

21.5731, 22.6966, 24.7166

## Achromatomaly

22.3683, 22.3989, 21.2336

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.5621, 22.1723, 15.8171 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, 119, 103)` looks like.

```
.text, #text, p{  
    color:rgb(165, 119, 103)  
}
```

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, 119, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 119, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 24.5621, 22.1723, 15.8171 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, 119, 103) }
```



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

```
.border{ border-color:rgb(165, 119, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 119, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 119, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 119, 103);  
box-shadow:4px 4px 4px 4px rgb(165, 119,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.5621, 22.1723, 15.8171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 119, 103) }
```

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

```
.background{ background-color: rgb(165,  
119, 103) }
```

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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