

# Converting Colors

XYZ(28.4550, 25.9965, 19.8749)

Have a look what the booklet for  
XYZ(28.4550, 25.9965, 19.8749)  
contains.

<b>XYZ(28.4003, 25.9370, 19.7291)</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(28.4003, 25.9370,  
19.7291)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE8173
RGB	174, 129, 115
RGB Percent	68%, 51%, 45%
CMY	0.3176, 0.4941, 0.5490
CMYK	0.00, 0.26, 0.34, 0.32
HSL	14°, 27%, 57%
HSV	14°, 34%, 68%
XYZ	28.4003, 25.9370, 19.7291
YIQ	140.8590, 31.3140, 5.1860

# Conversions

## Conversions Part 2

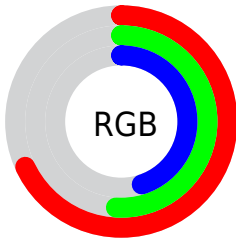
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 133, 115
Decimal	11436403
CIELab	57.98, 15.40, 14.37
CIELCh	58, 21.068, 43.018
Yxy	25.9370, 0.3834, 0.3502
Android (android.graphics.Color)	4289626483 (0xFFAE8173)
YUV	140.8590, -12.7485, 29.0647
Hunter-Lab	50.9284, 10.4162, 12.6816

# Details

The XYZ color **28.4003, 25.9370, 19.7291** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.2805, 31.8412, 44.7525**, and the grayscale version is **25.3025, 26.6202, 28.9894**.

A 20% lighter version of the original color is **56.6580, 53.2348, 43.8484**, and **11.6275, 10.1356, 6.6537** is the 20% darker color. If you saturate the color by 10%, you get **25.8562, 22.3027, 14.3988**, and if you desaturate by 10%, it is **31.3618, 30.1034, 26.1315**.

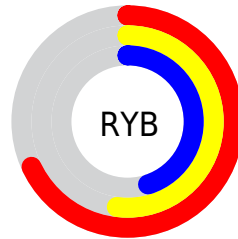
# Distribution



Red (68%)

Green (51%)

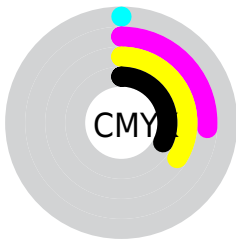
Blue (45%)



Red (68%)

Yellow (52%)

Blue (45%)

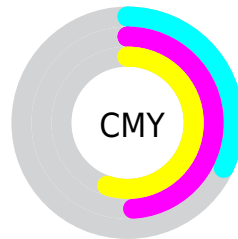


Cyan (0%)

Magenta (26%)

Yellow (34%)

Black (32%)



Cyan (32%)

Magenta (49%)


Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 28.4003, 25.9370, 19.7291 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 28.4003, 25.9370, 19.7291 by changing the saturation by 10% instead.





 28.4003, 25.9370,  
19.7291


 28.4003, 25.9370,  
19.7291


286.4203,  
282.4727, 263.0003


 18.7696, 16.7765,  
12.0162


 56.5271, 53.1733,  
43.8155

 11.6069, 10.0753,  
6.6320


 75.7539, 72.0179,  
61.0261

 6.5469, 5.4489,  
3.1581


 98.9102, 94.8593,  
82.2396

 3.2242, 2.5130,  
1.1759

126.3612,  
122.0820, 107.8746

 1.2734, 0.8831,  
0.0000

158.4724,  
154.0702, 138.3496

 0.1632, 0.0000,  
0.0000

195.6091,

 0.0000, 0.0000,

191.2085, 174.0832

0.0000

238.1366,  
233.8812, 215.4940

■ 28.4003, 25.9370,  
19.7291

■ 28.4003, 25.9370,  
19.7291

■ 25.8562, 22.3027,  
14.3988

■ 31.3618, 30.1034,  
26.1315

■ 23.7081, 19.1752,  
10.0800

■ 34.7567, 34.8187,  
33.6590

■ 21.9358, 16.5325,  
6.7085


■ 38.6027, 40.1032,  
42.3628


■ 20.5162, 14.3497,  
4.2117


■ 42.9157, 45.9752,  
52.2906


■ 19.4236, 12.5994,  
2.5069


■ 47.7110, 52.4523,  
63.4873


 18.6281, 11.2508,  
1.4944

 53.0031, 59.5513,  
75.9959

 18.2589, 10.6054,  
1.0847

 58.8058, 67.2881,  
89.8568

 65.1327, 75.6784,  
105.1092

 69.2068, 83.6211,  
107.1007

# Harmonies

## Analogous

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



29.7262, 25.9370, 25.2044



28.4003, 25.9370, 19.7291



26.1072, 25.9370, 16.8599

# Triad

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



28.4003, 25.9370, 19.7291



20.2681, 25.9370, 24.3478



25.7695, 25.9370, 44.1875

# Complementary

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



28.4003, 25.9370, 19.7291



27.2805, 31.8412, 44.7525

# 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.



23.2526, 25.9370, 43.8507



28.4003, 25.9370, 19.7291



20.1914, 25.9370, 31.5122

# Square

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



28.4003, 25.9370, 19.7291



21.4667, 25.9370, 19.1952



21.2495, 25.9370, 38.9046



28.1385, 25.9370, 39.7580



# Rectangle

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



28.4003, 25.9370, 19.7291



24.3959, 25.9370, 16.4445



21.2495, 25.9370, 38.9046



24.9105, 25.9370, 44.6477

# Sweetspot

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



28.4010, 25.9382, 19.7296



65.5507, 66.6111, 66.6896



29.9520, 23.8066, 36.3814



14.3607, 14.5178, 14.3521



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832



# Same Dimension

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



28.4010, 25.9382, 19.7296



47.8451, 41.8135, 28.0670



32.8225, 34.7814, 21.2035



8.1538, 8.3125, 8.3881



13.2828, 7.7711, 0.7999



0.4113, 0.2998, 0.0362



# Inverse Universe

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



27.2805, 31.8412, 44.7525



45.4727, 54.2012, 80.7021



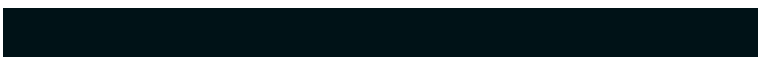
22.7909, 22.8621, 43.2560



8.0728, 8.7450, 10.2152



11.6425, 14.4188, 31.2140



0.3625, 0.4783, 0.8812



# Previews

## White Background



This preview shows how the XYZ color 28.4003, 25.9370, 19.7291 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

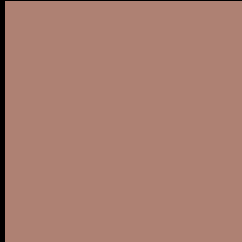
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 28.4003, 25.9370, 19.7291 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 28.4003, 25.9370, 19.7291**

## **Background**



This preview shows how black text looks on a background with the XYZ color 28.4003, 25.9370, 19.7291.



This preview shows how white text looks on a background with the XYZ color 28.4003, 25.9370,



# 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

28.4003, 25.9370, 19.7291

### Protanopia

24.6554, 26.0243, 21.4930

### Deuteranopia

26.4627, 25.9465, 19.5330



## Tritanopia

29.8093, 25.9294, 26.7263

# Trichromacy



## Original Color

28.4003, 25.9370, 19.7291

## Protanomaly

25.8386, 25.8041, 20.7584

## Deuteranomaly

27.0144, 25.8244, 19.4804

## Tritanomaly

29.1648, 25.8512, 23.8747

# Monochromacy



## Original Color

28.4003, 25.9370, 19.7291

## Achromatopsia

25.3171, 26.6356, 29.0061

## Achromatomaly

26.2474, 26.3296, 25.5285

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 28.4003, 25.9370, 19.7291 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(174, 129, 115)` looks like.

```
.text, #text, p{  
    color:rgb(174, 129, 115)  
}
```

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(174, 129, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 129, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 28.4003, 25.9370, 19.7291 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(174, 129, 115) }
```



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

```
.border{ border-color:rgb(174, 129, 115) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 129, 115)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 129, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 129, 115);  
box-shadow:4px 4px 4px 4px rgb(174, 129,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 28.4003, 25.9370, 19.7291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 129, 115) }
```

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

```
.background{ background-color: rgb(174,  
129, 115) }
```

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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