

# Converting Colors

XYZ(24.9404, 19.3049, 16.2556)

Have a look what the booklet for  
XYZ(24.9404, 19.3049, 16.2556)  
contains.

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# Color

**XYZ(24.8902, 19.2898,  
16.3214)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AF646B
RGB	175, 100, 107
RGB Percent	69%, 39%, 42%
CMY	0.3137, 0.6078, 0.5804
CMYK	0.00, 0.43, 0.39, 0.31
HSL	354°, 32%, 54%
HSV	354°, 43%, 69%
XYZ	24.8902, 19.2898, 16.3214
YIQ	123.2230, 42.4530, 18.0770

# Conversions

## Conversions Part 2

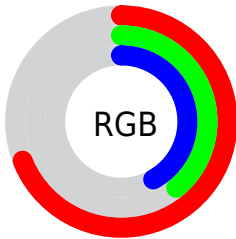
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	175, 100, 107
Decimal	11494507
CIE Lab	51.02, 30.99, 9.32
CIE LCh	51, 32.361, 16.734
Yxy	19.2898, 0.4114, 0.3188
Android (android.graphics.Color)	4289684587 (0xFFAF646B)
YUV	123.2230, -7.9979, 45.4084
Hunter-Lab	43.9202, 24.2983, 8.7110

# Details

The XYZ color **24.8902, 19.2898, 16.3214** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.6543, 36.1968, 42.5768**, and the grayscale version is **18.9166, 19.9017, 21.6730**.

A 20% lighter version of the original color is **51.0041, 42.2487, 37.8144**, and **9.7452, 6.6870, 5.0521** is the 20% darker color. If you saturate the color by 10%, you get **22.6288, 15.9826, 11.8200**, and if you desaturate by 10%, it is **27.6664, 23.3812, 21.7506**.

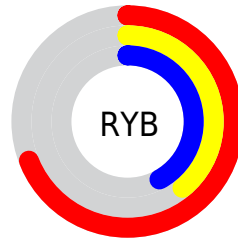
# Distribution



Red (69%)

Green (39%)

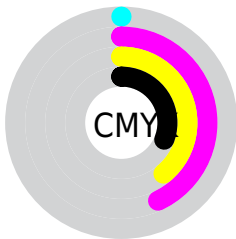
Blue (42%)



Red (69%)

Yellow (39%)

Blue (42%)

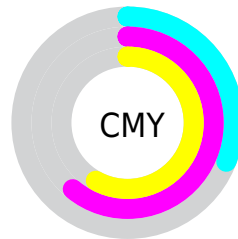


Cyan (0%)

Magenta (43%)

Yellow (39%)

Black (31%)



Cyan (31%)

Magenta (61%)


Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8902, 19.2898, 16.3214 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 24.8902, 19.2898, 16.3214 by changing the saturation by 10% instead.





 24.8902, 19.2898,  
16.3214


 24.8902, 19.2898,  
16.3214


269.6484,  
248.0440, 243.1410


 16.1236, 11.8799,  
9.5951


 50.9232, 42.2232,  
37.9298


 9.7030, 6.6619,  
5.0292


 68.9203, 58.5155,  
53.6489

 5.2633, 3.2516,  
2.2054

 90.7249, 78.5374,  
73.2028

 2.4389, 1.2644,  
0.6775

 116.7024,  
102.6732, 97.0098

 0.8645, 0.1134,  
0.0000

147.2182,  
131.3073, 125.4886

 0.0000, 0.0000,  
0.0000

182.6375,

164.8243, 159.0577

223.3258,  
203.6084, 198.1356

■ 24.8902, 19.2898,  
16.3214

■ 24.8902, 19.2898,  
16.3214

■ 22.6288, 15.9826,  
11.8200

■ 27.6664, 23.3812,  
21.7506

■ 20.8489, 13.4067,  
8.1933

■ 30.9847, 28.2996,  
28.1543

■ 19.5158, 11.5075,  
5.3846

■ 34.8726, 34.0879,  
35.5776


■ 18.5894, 10.2211,  
3.3300


■ 39.3551, 40.7853,  
44.0622


■ 18.0225, 9.4715,  
1.9559

■ 44.4557, 48.4287,  
53.6477

 17.7752, 9.1524,  
1.3328

 50.1967, 57.0529,  
64.3715

 56.5992, 66.6908,  
76.2693

 63.6834, 77.3740,  
89.3753

 70.6644, 87.5240,  
103.4541

# Harmonies

## Analogous

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



25.0087, 19.2898, 25.3182



24.8902, 19.2898, 16.3214



22.8897, 19.2898, 10.5965

# Triad

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



24.8902, 19.2898, 16.3214



14.2039, 19.2898, 11.0823



16.9566, 19.2898, 43.2840

# Complementary

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



24.8902, 19.2898, 16.3214



27.6543, 36.1968, 42.5768

# 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.



14.4275, 19.2898, 36.6504



24.8902, 19.2898, 16.3214



12.9677, 19.2898, 17.2089

# Square

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



24.8902, 19.2898, 16.3214



16.6170, 19.2898, 8.2320



13.0444, 19.2898, 26.5045



20.1662, 19.2898, 42.8380



# Rectangle

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



24.8902, 19.2898, 16.3214



20.8773, 19.2898, 8.6058



13.0444, 19.2898, 26.5045



16.0068, 19.2898, 41.7415

# Sweetspot

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



24.8907, 19.2908, 16.3218



62.1792, 60.6378, 63.1926



28.3378, 20.4805, 43.0170



13.4654, 12.9488, 13.3704



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.



24.8907, 19.2908, 16.3218



40.8827, 29.1418, 21.8835



27.9627, 26.0002, 15.6025



8.0345, 8.0270, 8.4923



12.7402, 6.5586, 1.0112



0.3639, 0.1863, 0.0783



# Inverse Universe

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



24.8907, 19.2908, 16.3218



40.8827, 29.1418, 21.8835



23.1196, 26.0561, 44.3682



8.0345, 8.0270, 8.4923



12.7402, 6.5586, 1.0112

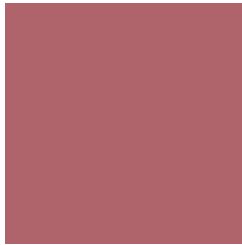


0.3639, 0.1863, 0.0783



# Previews

## White Background



This preview shows how the XYZ color 24.8902, 19.2898, 16.3214 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 24.8902, 19.2898, 16.3214 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 24.8902, 19.2898, 16.3214**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.8902, 19.2898, 16.3214.



This preview shows how white text looks on a background with the XYZ color 24.8902, 19.2898,



# 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

24.8902, 19.2898, 16.3214

### Protanopia

18.5648, 19.3427, 19.8946

### Deuteranopia

19.6752, 19.2975, 15.7845



## Tritanopia

24.8902, 19.2898, 16.3214

# Trichromacy



## Original Color

24.8902, 19.2898, 16.3214

## Protanomaly

20.2701, 18.8648, 18.4925

## Deuteranomaly

21.3711, 19.1611, 15.9367

## Tritanomaly

24.8902, 19.2898, 16.3214

# Monochromacy



## Original Color

24.8902, 19.2898, 16.3214

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.4969, 19.2966, 19.4739

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.8902, 19.2898, 16.3214 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(175, 100, 107)` looks like.

```
.text, #text, p{  
    color:rgb(175, 100, 107)  
}
```

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(175, 100, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 100, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 24.8902, 19.2898, 16.3214 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(175, 100, 107) }
```



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

```
.border{ border-color:rgb(175, 100, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 100, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 100, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 100, 107);  
box-shadow:4px 4px 4px 4px rgb(175, 100,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.8902, 19.2898, 16.3214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 100, 107) }
```

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

```
.background{ background-color: rgb(175,  
100, 107) }
```

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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