

# Converting Colors

XYZ(24.3832, 19.3463, 15.0194)

Have a look what the booklet for  
XYZ(24.3832, 19.3463, 15.0194)  
contains.

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# Color

**XYZ(24.3832, 19.3463,  
15.0194)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AD6666
RGB	173, 102, 102
RGB Percent	68%, 40%, 40%
CMY	0.3216, 0.6000, 0.6000
CMYK	0.00, 0.41, 0.41, 0.32
HSL	0°, 30%, 54%
HSV	0°, 41%, 68%
XYZ	24.3832, 19.3463, 15.0194
YIQ	123.2290, 42.3160, 15.0520

# Conversions

## Conversions Part 2

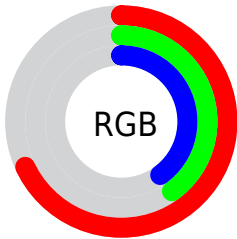
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	173, 102, 102
Decimal	11363942
CIE Lab	51.09, 28.52, 12.33
CIE LCh	51, 31.075, 23.386
Yxy	19.3463, 0.4150, 0.3293
Android (android.graphics.Color)	4289554022 (0xFFAD6666)
YUV	123.2290, -10.4659, 43.6492
Hunter-Lab	43.9844, 21.9805, 10.5433

# Details

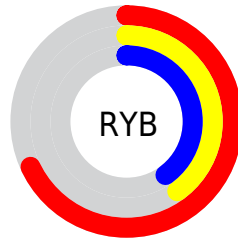
The XYZ color **24.3832, 19.3463, 15.0194** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **27.9651, 35.7273, 44.9572**, and the grayscale version is **18.9265, 19.9122, 21.6844**.

A 20% lighter version of the original color is **50.2604, 42.4000, 35.6720**, and **9.4339, 6.6736, 4.4053** is the 20% darker color. If you saturate the color by 10%, you get **22.0868, 15.9862, 10.4536**, and if you desaturate by 10%, it is **27.2145, 23.4895, 20.6471**.

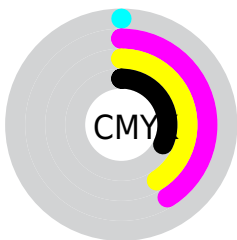
# Distribution



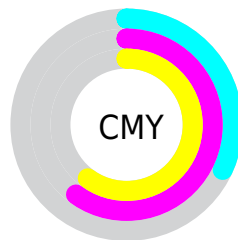
- Red (68%)
- Green (40%)
- Blue (40%)



- Red (68%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (41%)
- Yellow (41%)
- Black (32%)




- Cyan (32%)
- Magenta (60%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3832, 19.3463, 15.0194 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 24.3832, 19.3463, 15.0194 by changing the saturation by 10% instead.





 24.3832, 19.3463,  
15.0194


 24.3832, 19.3463,  
15.0194


267.1568,  
248.3539, 235.1284


 15.7444, 11.9208,  
8.6862


 50.1049, 42.3185,  
35.6300


 9.4332, 6.6898,  
4.4431


 67.9186, 58.6339,  
50.7445

 5.0841, 3.2688,  
1.8714

 89.5212, 78.6814,  
69.6232

 2.3320, 1.2736,  
0.4745

 115.2782,  
102.8453, 92.6846

 0.8110, 0.1207,  
0.0000

145.5549,  
131.5102, 120.3473

 0.0000, 0.0000,  
0.0000

180.7167,

165.0603, 153.0298

221.1289,  
203.8801, 191.1507

■ 24.3832, 19.3463,  
15.0194

■ 24.3832, 19.3463,  
15.0194

■ 22.0868, 15.9862,  
10.4536

■ 27.2145, 23.4895,  
20.6471

■ 20.2902, 13.3572,  
6.8822

■ 30.6096, 28.4575,  
27.3965

■ 18.9567, 11.4058,  
4.2314


■ 34.5974, 34.2928,  
35.3241

■ 18.0438, 10.0701,  
2.4170


■ 39.2042, 41.0338,  
44.4824


■ 17.5015, 9.2764,  
1.3390


■ 44.4548, 48.7169,  
54.9206

 17.2336, 8.8844,  
0.8066

 50.3727, 57.3764,  
66.6854

 56.9801, 67.0448,  
79.8208

 64.2982, 77.7531,  
94.3693

 71.0435, 87.6242,  
107.7765

# Harmonies

## Analogous

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



24.9273, 19.3463, 23.0814



24.3832, 19.3463, 15.0194



22.1550, 19.3463, 10.1653

# Triad

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



24.3832, 19.3463, 15.0194



14.0286, 19.3463, 12.4752



17.7137, 19.3463, 42.8291

# Complementary

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



24.3832, 19.3463, 15.0194



27.9651, 35.7273, 44.9572

# 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.



15.0743, 19.3463, 37.8411



24.3832, 19.3463, 15.0194



13.1059, 19.3463, 19.1693

# Square

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



24.3832, 19.3463, 15.0194



16.1341, 19.3463, 9.0090



13.4662, 19.3463, 28.5473



20.8427, 19.3463, 40.8050



# Rectangle

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



24.3832, 19.3463, 15.0194



20.1356, 19.3463, 8.6253



13.4662, 19.3463, 28.5473



16.7447, 19.3463, 41.8800

# Sweetspot

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



24.3837, 19.3473, 15.0198



61.0708, 60.1121, 61.4914



29.5278, 21.4042, 42.1102



13.0696, 12.7675, 12.9610



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123



# Same Dimension

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



24.3837, 19.3473, 15.0198



39.9955, 29.2729, 19.5947



28.6488, 27.8774, 16.4415



8.0053, 8.0154, 8.3386



12.6608, 6.5270, 0.5925



0.3522, 0.1816, 0.0165



# Inverse Universe

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



27.9651, 35.7273, 44.9572



47.2677, 62.5337, 80.3847



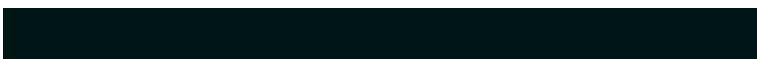
22.0393, 23.8758, 42.9820



8.2363, 9.0720, 10.2697



16.5181, 24.1701, 32.8392

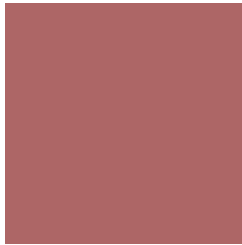


0.4595, 0.6724, 0.9136



# Previews

## White Background



This preview shows how the XYZ color 24.3832, 19.3463, 15.0194 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

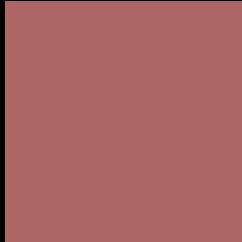
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.3832, 19.3463, 15.0194 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 24.3832, 19.3463, 15.0194**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.3832, 19.3463, 15.0194.



This preview shows how white text looks on a background with the XYZ color 24.3832, 19.3463,



# 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

24.3832, 19.3463, 15.0194

### Protanopia

18.6366, 19.6009, 18.1303

### Deuteranopia

19.7687, 19.3742, 14.5021



## Tritanopia

24.8160, 19.3887, 16.6218

# Trichromacy



## Original Color

24.3832, 19.3463, 15.0194

## Protanomaly

20.3391, 19.2735, 16.8355

## Deuteranomaly

21.2313, 19.2807, 14.6591

## Tritanomaly

24.7108, 19.3466, 16.0675

# Monochromacy



## Original Color

24.3832, 19.3463, 15.0194

## Achromatopsia

18.8265, 19.8069, 21.5697

## Achromatomaly

20.2098, 19.1620, 18.8531

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.3832, 19.3463, 15.0194 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(173, 102, 102)` looks like.

```
.text, #text, p{  
    color:rgb(173, 102, 102)  
}
```

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(173, 102, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 102, 102) }
```

## Border

The CSS property to change the border of an element to XYZ 24.3832, 19.3463, 15.0194 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(173, 102, 102) }
```



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

```
.border{ border-color:rgb(173, 102, 102) }
```

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

Here you see how a box with a 4 pixel rgb(173, 102, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 102, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 102, 102);  
box-shadow:4px 4px 4px 4px rgb(173, 102,  
102) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.3832, 19.3463, 15.0194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 102, 102) }
```

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

```
.background{ background-color: rgb(173,  
102, 102) }
```

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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