

# Converting Colors

XYZ(24.7571, 18.3402, 12.8248)

Have a look what the booklet for  
XYZ(24.7571, 18.3402, 12.8248)  
contains.

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# Color

**XYZ(24.7571, 18.3402,  
12.8248)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B45D5E</a>
RGB	<a href="#">180, 93, 94</a>
RGB Percent	<a href="#">71%, 36%, 37%</a>
CMY	<a href="#">0.2941, 0.6353, 0.6314</a>
CMYK	<a href="#">0.00, 0.48, 0.48, 0.29</a>
HSL	<a href="#">359°, 37%, 54%</a>
HSV	<a href="#">359°, 48%, 71%</a>
XYZ	<a href="#">24.7571, 18.3402, 12.8248</a>
YIQ	<a href="#">119.1270, 51.5310, 18.7550</a>

# Conversions

## Conversions Part 2

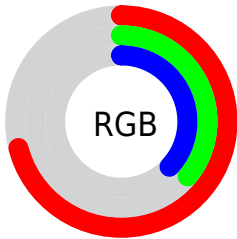
<b>Format</b>	<b>Color</b>
<b>RYB</b>	180, 93, 94
Decimal	11820382
CIELab	49.91, 35.24, 15.59
CIELCh	50, 38.536, 23.869
Yxy	18.3402, 0.4427, 0.3280
Android (android.graphics.Color)	4290010462 (0xFFB45D5E)
YUV	119.1270, -12.3876, 53.3856
Hunter-Lab	42.8255, 28.2451, 12.2224

# Details

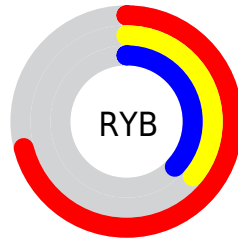
The XYZ color **24.7571, 18.3402, 12.8248** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **28.9732, 38.2247, 48.5015**, and the grayscale version is **17.6019, 18.5186, 20.1668**.

A 20% lighter version of the original color is **50.7560, 40.6151, 31.5499**, and **9.5658, 6.1521, 3.4796** is the 20% darker color. If you saturate the color by 10%, you get **22.6505, 15.2609, 8.6270**, and if you desaturate by 10%, it is **27.4206, 22.2387, 18.1166**.

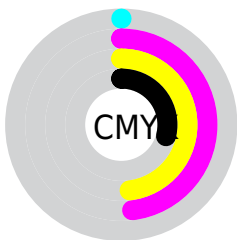
# Distribution



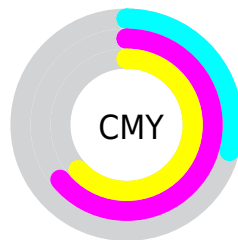
- Red (71%)
- Green (36%)
- Blue (37%)



- Red (71%)
- Yellow (36%)
- Blue (37%)



- Cyan (0%)
- Magenta (48%)
- Yellow (48%)
- Black (29%)




- Cyan (29%)
- Magenta (64%)
- Yellow (63%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7571, 18.3402, 12.8248 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 24.7571, 18.3402, 12.8248 by changing the saturation by 10% instead.





 24.7571, 18.3402,  
12.8248


 24.7571, 18.3402,  
12.8248


268.9961,  
242.7817, 220.9600


 16.0239, 11.1945,  
7.1787


 50.7086, 40.6162,  
31.6752


 9.6321, 6.1978,  
3.4940


 68.6577, 56.5152,  
45.7166

 5.2161, 2.9657,  
1.3521

 90.4095, 76.1009,  
63.3936

 2.4106, 1.1139,  
0.1039

 116.3293, 99.7575,  
85.1246

 0.8504, 0.0000,  
0.0000

146.7825,  
127.8695, 111.3282

 0.0000, 0.0000,  
0.0000

182.1345,

160.8213, 142.4229

222.7506,  
198.9972, 178.8274

■ 24.7571, 18.3402,  
12.8248

■ 24.7571, 18.3402,  
12.8248

■ 22.6505, 15.2609,  
8.6270

■ 27.4206, 22.2387,  
18.1166

■ 21.0600, 12.9398,  
5.4458

■ 30.6750, 27.0060,  
24.5706

■ 19.9416, 11.3121,  
3.1955


■ 34.5535, 32.6911,  
32.2505


■ 19.2435, 10.3010,  
1.7754


■ 39.0861, 39.3387,  
41.2150


■ 18.8825, 9.7795,  
1.0369

■ 44.3012, 46.9903,  
51.5192

 18.8336, 9.7078,  
0.9402

 50.2253, 55.6852,  
63.2150

 56.8835, 65.4605,  
76.3513

 64.2999, 76.3516,  
90.9750

 72.4954, 88.3885,  
107.1300

# Harmonies

## Analogous

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



25.4794, 18.3402, 22.2187



24.7571, 18.3402, 12.8248



21.9581, 18.3402, 7.6444

# Triad

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



24.7571, 18.3402, 12.8248



12.3070, 18.3402, 10.2258



16.6851, 18.3402, 47.7469

# Complementary

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



24.7571, 18.3402, 12.8248



28.9732, 38.2247, 48.5015

# 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.



13.5746, 18.3402, 41.2836



24.7571, 18.3402, 12.8248



11.2870, 18.3402, 17.8772

# Square

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



24.7571, 18.3402, 12.8248



14.7159, 18.3402, 6.5565



11.7160, 18.3402, 29.3703



20.4628, 18.3402, 44.9059



# Rectangle

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



24.7571, 18.3402, 12.8248



19.4780, 18.3402, 6.1203



11.7160, 18.3402, 29.3703



15.5342, 18.3402, 46.5348

# Sweetspot

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



24.7576, 18.3411, 12.8251



65.8686, 63.9913, 64.8387



30.6395, 20.6551, 45.5517



13.8696, 13.2927, 13.2880



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



24.7576, 18.3411, 12.8251



40.8512, 27.3512, 15.2051



29.4697, 27.8364, 14.1770



8.5002, 8.5068, 8.8664



13.1465, 6.7761, 0.6653



0.4149, 0.2137, 0.0278



# Inverse Universe

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



24.7576, 18.3411, 12.8251



40.8512, 27.3512, 15.2051



21.8347, 23.7861, 46.6202



8.5002, 8.5068, 8.8664



13.1465, 6.7761, 0.6653

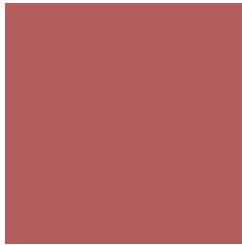


0.4149, 0.2137, 0.0278



# Previews

## White Background



This preview shows how the XYZ color 24.7571, 18.3402, 12.8248 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

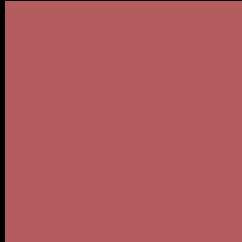
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.7571, 18.3402, 12.8248 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

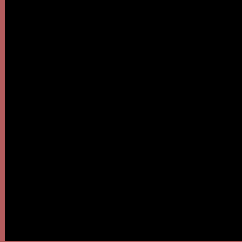
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.7571, 18.3402, 12.8248**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.7571, 18.3402, 12.8248.



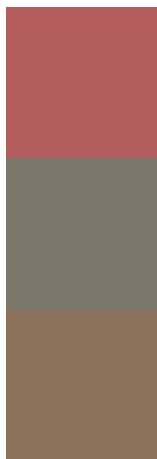
This preview shows how white text looks on a background with the XYZ color 24.7571, 18.3402,

12.8248.

# 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

24.7571, 18.3402, 12.8248

### Protanopia

17.5628, 18.5403, 16.5629

### Deuteranopia

18.6780, 18.3483, 12.2300



## Tritanopia

24.9017, 18.2584, 14.0161

# Trichromacy



## Original Color

24.7571, 18.3402, 12.8248

## Protanomaly

19.4758, 18.0405, 15.0260

## Deuteranomaly

20.5599, 18.0320, 12.2944

## Tritanomaly

24.8072, 18.2207, 13.5187

# Monochromacy



## Original Color

24.7571, 18.3402, 12.8248

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

19.3749, 17.9404, 17.1935

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.7571, 18.3402, 12.8248 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(180, 93, 94)` looks like.

```
.text, #text, p{  
    color:rgb(180, 93, 94)  
}
```

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(180, 93, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 93, 94) }
```

## Border

The CSS property to change the border of an element to XYZ 24.7571, 18.3402, 12.8248 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(180, 93, 94) }
```



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

```
.border{ border-color:rgb(180, 93, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 93, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 93, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 93, 94);  
box-shadow:4px 4px 4px 4px rgb(180, 93,  
94) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.7571, 18.3402, 12.8248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 93, 94) }
```

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

```
.background{ background-color: rgb(180, 93,  
94) }
```

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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