

# Converting Colors

XYZ(24.9077, 18.3868, 12.5228)

Have a look what the booklet for  
XYZ(24.9077, 18.3868, 12.5228)  
contains.

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# Color

**XYZ(24.9462, 18.4428,  
12.6009)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B55D5D
RGB	181, 93, 93
RGB Percent	71%, 36%, 36%
CMY	0.2902, 0.6353, 0.6353
CMYK	0.00, 0.49, 0.49, 0.29
HSL	0°, 37%, 54%
HSV	0°, 49%, 71%
XYZ	24.9462, 18.4428, 12.6009
YIQ	119.3120, 52.4480, 18.6560

# Conversions

## Conversions Part 2

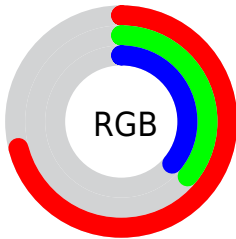
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">181, 93, 93</a>
Decimal	<a href="#">11885917</a>
CIELab	<a href="#">50.03, 35.52, 16.38</a>
CIElCh	<a href="#">50, 39.116, 24.754</a>
Yxy	<a href="#">18.4428, 0.4455, 0.3294</a>
Android (android.graphics.Color)	<a href="#">4290075997</a> ( <a href="#">0xFFB55D5D</a> )
YUV	<a href="#">119.3120, -12.9718, 54.1004</a>
Hunter-Lab	<a href="#">42.9451, 28.5343, 12.6647</a>

# Details

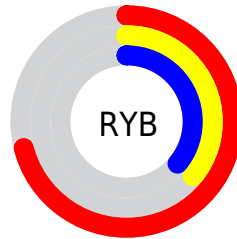
The XYZ color **24.9462, 18.4428, 12.6009** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **29.3775, 38.7090, 49.6392**, and the grayscale version is **17.6622, 18.5820, 20.2358**.

A 20% lighter version of the original color is **51.0185, 40.7592, 31.1650**, and **9.6891, 6.2181, 3.3789** is the 20% darker color. If you saturate the color by 10%, you get **22.8324, 15.3499, 8.3982**, and if you desaturate by 10%, it is **27.6267, 22.3654, 17.9288**.

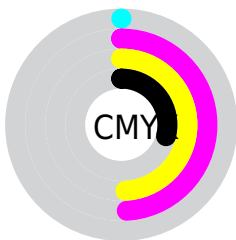
# Distribution



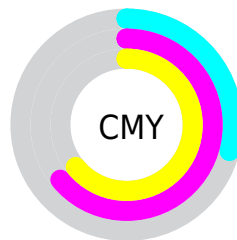
- Red (71%)
- Green (36%)
- Blue (36%)



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



- Cyan (0%)
- Magenta (49%)
- Yellow (49%)
- Black (29%)




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


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.9462, 18.4428, 12.6009 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 24.9462, 18.4428, 12.6009 by changing the saturation by 10% instead.




 24.9462, 18.4428,  
12.6009


 24.9462, 18.4428,  
12.6009


269.9225,  
243.3552, 219.4611


 16.1655, 11.2684,  
7.0268


 51.0135, 40.7904,  
31.2655

 9.7329, 6.2476,  
3.4002


 69.0307, 56.7324,  
45.1931

 5.2831, 2.9962,  
1.3024

 90.8575, 76.3656,  
62.7423

 2.4508, 1.1298,  
0.0638

 116.8593,  
100.0746, 84.3316

 0.8705, 0.0032,  
0.0000

147.4013,  
128.2436, 110.3796

 0.0000, 0.0000,  
0.0000

182.8489,

161.2571, 141.3048

223.5675,  
199.4995, 177.5258

■ 24.9462, 18.4428,  
12.6009

■ 24.9462, 18.4428,  
12.6009

■ 22.8324, 15.3499,  
8.3982

■ 27.6267, 22.3654,  
17.9288

■ 21.2432, 13.0244,  
5.2392

■ 30.9089, 27.1682,  
24.4538

■ 20.1333, 11.4002,  
3.0329


■ 34.8269, 32.9014,  
32.2426


■ 19.4487, 10.3985,  
1.6723

■ 39.4117, 39.6103,  
41.3571


■ 19.0970, 9.8837,  
0.9730

■ 44.6923, 47.3373,  
51.8548

 19.0561, 9.8240,  
0.8918

 50.6960, 56.1224,  
63.7902

 57.4487, 66.0033,  
77.2144

 64.9748, 77.0161,  
92.1763

 72.8660, 88.5637,  
107.8618

# Harmonies

## Analogous

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



25.7568, 18.4428, 22.0338



24.9462, 18.4428, 12.6009



22.0399, 18.4428, 7.4761

# Triad

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



24.9462, 18.4428, 12.6009



12.2644, 18.4428, 10.3477



16.8767, 18.4428, 48.5513

# Complementary

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



24.9462, 18.4428, 12.6009



29.3775, 38.7090, 49.6392

# 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.



13.6804, 18.4428, 42.1735



24.9462, 18.4428, 12.6009



11.2720, 18.4428, 18.2473

# Square

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



24.9462, 18.4428, 12.6009



14.6738, 18.4428, 6.5388



11.7509, 18.4428, 30.0552



20.7332, 18.4428, 45.3541



# Rectangle

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



24.9462, 18.4428, 12.6009



19.4995, 18.4428, 5.9990



11.7509, 18.4428, 30.0552



15.6966, 18.4428, 47.4043

# Sweetspot

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



24.9467, 18.4438, 12.6012



65.0039, 62.7735, 62.9732



31.3109, 20.9887, 46.1169



13.6964, 13.0506, 12.9084



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.



24.9467, 18.4438, 12.6012



40.7772, 27.3228, 14.8120



29.9775, 28.5054, 14.2782



8.4964, 8.5053, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0193



# Inverse Universe

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



29.3775, 38.7090, 49.6392



49.6239, 67.7848, 88.7629



21.8004, 23.5548, 47.1135



8.7426, 9.6315, 10.9046



17.1396, 25.0795, 34.0745

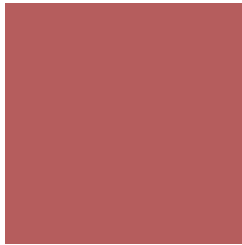


0.5393, 0.7891, 1.0721



# Previews

## White Background



This preview shows how the XYZ color 24.9462, 18.4428, 12.6009 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

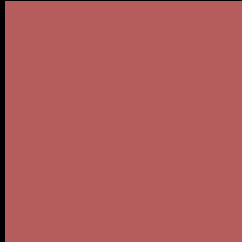
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.9462, 18.4428, 12.6009 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

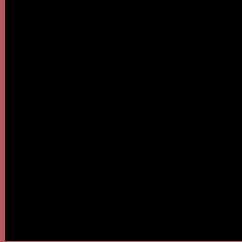
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 24.9462, 18.4428, 12.6009**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.9462, 18.4428, 12.6009.



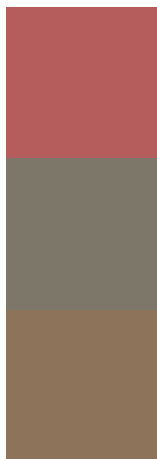
This preview shows how white text looks on a background with the XYZ color 24.9462, 18.4428,



# 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

24.9462, 18.4428, 12.6009

### Protanopia

17.6558, 18.5942, 16.2942

### Deuteranopia

18.9184, 18.6455, 12.0530



## Tritanopia

25.1353, 18.3789, 14.0271

# Trichromacy



## Original Color

24.9462, 18.4428, 12.6009

## Protanomaly

19.6019, 18.1112, 14.7746

## Deuteranomaly

20.8135, 18.3215, 12.1123

## Tritanomaly

25.0409, 18.3411, 13.5297

# Monochromacy



## Original Color

24.9462, 18.4428, 12.6009

## Achromatopsia

17.5343, 18.4475, 20.0893

## Achromatomaly

19.5457, 18.0284, 17.2015

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.9462, 18.4428, 12.6009 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(181, 93, 93)` looks like.

```
.text, #text, p{  
    color:rgb(181, 93, 93)  
}
```

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(181, 93, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 93, 93) }
```

## Border

The CSS property to change the border of an element to XYZ 24.9462, 18.4428, 12.6009 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(181, 93, 93) }
```



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

```
.border{ border-color:rgb(181, 93, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 93, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 93, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 93, 93);  
box-shadow:4px 4px 4px 4px rgb(181, 93,  
93) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.9462, 18.4428, 12.6009 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 93, 93) }
```

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

```
.background{ background-color: rgb(181, 93,  
93) }
```

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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