

# Converting Colors

XYZ(24.3845, 18.2589, 8.5727)

Have a look what the booklet for  
XYZ(24.3845, 18.2589, 8.5727)  
contains.

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# Color

**XYZ(24.4084, 18.2548,  
8.5404)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B65D49
RGB	182, 93, 73
RGB Percent	71%, 36%, 29%
CMY	0.2863, 0.6353, 0.7137
CMYK	0.00, 0.49, 0.60, 0.29
HSL	11°, 43%, 50%
HSV	11°, 60%, 71%
XYZ	24.4084, 18.2548, 8.5404
YIQ	117.3310, 59.4640, 12.6480

# Conversions

## Conversions Part 2

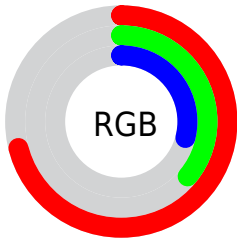
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	182, 97, 73
Decimal	11951433
CIE <sub>Lab</sub>	49.80, 34.18, 27.84
CIE <sub>LCh</sub>	50, 44.081, 39.169
Yxy	18.2548, 0.4767, 0.3565
Android (android.graphics.Color)	4290141513 (0xFFB65D49)
YUV	117.3310, -21.8552, 56.7147
Hunter-Lab	42.7256, 27.2040, 18.0565

# Details

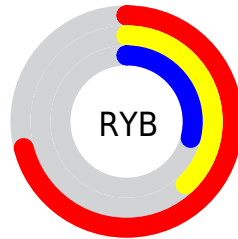
The XYZ color **24.4084, 18.2548, 8.5404** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **24.1108, 30.6330, 48.8979**, and the grayscale version is **17.0646, 17.9533, 19.5511**.

A 20% lighter version of the original color is **50.2562, 40.5332, 23.5872**, and **9.4225, 6.1703, 1.7930** is the 20% darker color. If you saturate the color by 10%, you get **22.7110, 15.6885, 5.4206**, and if you desaturate by 10%, it is **26.5367, 21.4006, 12.6751**.

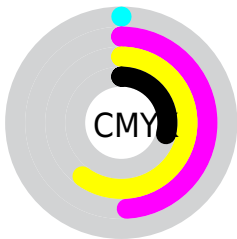
# Distribution



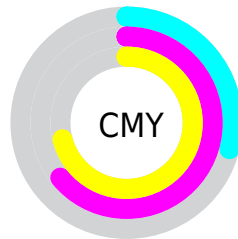
- Red (71%)
- Green (36%)
- Blue (29%)



- Red (71%)
- Yellow (38%)
- Blue (29%)



- Cyan (0%)
- Magenta (49%)
- Yellow (60%)
- Black (29%)




- Cyan (29%)
- Magenta (64%)
- Yellow (71%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4084, 18.2548, 8.5404 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 24.4084, 18.2548, 8.5404 by changing the saturation by 10% instead.




 24.4084, 18.2548,  
8.5404


 24.4084, 18.2548,  
8.5404


267.2811,  
242.3033, 190.0014

 15.7632, 11.1331,  
4.3499


 50.1457, 40.4710,  
23.5746

 9.4465, 6.1564,  
1.8192


 67.9685, 56.3343,  
35.2555

 5.0930, 2.9404,  
0.4406

 89.5812, 75.8802,  
50.2703

 2.3373, 1.1007,  
0.0000

 115.3492, 99.4932,  
69.0375

 0.8136, 0.0000,  
0.0000

 145.6378,  
127.5576, 91.9756

 0.0000, 0.0000,  
0.0000

180.8125,

160.4578, 119.5033

221.2384,  
198.5783, 152.0390

■ 24.4084, 18.2548,  
8.5404

■ 24.4084, 18.2548,  
8.5404

■ 22.7110, 15.6885,  
5.4206

■ 26.5367, 21.4006,  
12.6751

■ 21.4125, 13.6629,  
3.2262

■ 29.1222, 25.1556,  
17.9020

■ 20.4783, 12.1390,  
1.8533

■ 32.1905, 29.5511,  
24.2919

■ 19.8522, 11.0649,  
1.0952

■ 35.7647, 34.6152,  
31.9094

■ 19.8465, 11.0552,  
1.0879

■ 39.8668, 40.3745,  
40.8142

■ 44.5172, 46.8539,  
51.0623

■ 49.7353, 54.0773,  
62.7062

■ 55.5395, 62.0673,  
75.7956

■ 61.9473, 70.8458,  
90.3780

# Harmonies

## Analogous

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



26.6249, 18.2548, 16.4083



24.4084, 18.2548, 8.5404



20.3893, 18.2548, 5.1342

# Triad

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



24.4084, 18.2548, 8.5404



10.8349, 18.2548, 12.7236



18.6719, 18.2548, 52.6431

# Complementary

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



24.4084, 18.2548, 8.5404



24.1108, 30.6330, 48.8979

# 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.



14.6300, 18.2548, 50.3452



24.4084, 18.2548, 8.5404



10.5270, 18.2548, 23.8016

# Square

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



24.4084, 18.2548, 8.5404



12.7263, 18.2548, 6.7819



11.8042, 18.2548, 38.3945



22.9781, 18.2548, 43.7919



# Rectangle

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



24.4084, 18.2548, 8.5404



17.4682, 18.2548, 4.5450



11.8042, 18.2548, 38.3945



17.2336, 18.2548, 53.2072

# Sweetspot

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



24.4088, 18.2558, 8.5407



65.9552, 64.3269, 60.2521



28.1971, 17.3195, 36.0471



14.1201, 13.5770, 12.3449



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



24.4088, 18.2558, 8.5407



40.3137, 27.1151, 8.3256



31.0031, 31.4443, 10.7388



9.1344, 9.2718, 9.4151



14.0517, 7.8798, 0.7804



0.5361, 0.3593, 0.0411



# Inverse Universe

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



24.1108, 30.6330, 48.8979



39.6082, 51.3481, 88.0593



16.5030, 15.4175, 46.3620



9.1228, 9.9228, 11.5139



13.5524, 17.5644, 33.9291



0.5147, 0.6930, 1.2084



# Previews

## White Background



This preview shows how the XYZ color 24.4084, 18.2548, 8.5404 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

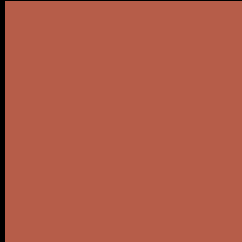
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 24.4084, 18.2548, 8.5404 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 24.4084, 18.2548, 8.5404**

## **Background**



This preview shows how black text looks on a background with the XYZ color 24.4084, 18.2548, 8.5404.



This preview shows how white text looks on a background with the XYZ color 24.4084, 18.2548,

8.5404.

# 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

24.4084, 18.2548, 8.5404

### Protanopia

17.0602, 18.4074, 10.8374

### Deuteranopia

18.7685, 18.4840, 8.2088



## Tritanopia

25.2959, 18.2241, 13.2507

# Trichromacy



## Original Color

24.4084, 18.2548, 8.5404

## Protanomaly

19.2000, 18.0123, 9.8619

## Deuteranomaly

20.3601, 18.0194, 8.1993

## Tritanomaly

25.0310, 18.2540, 11.4366

# Monochromacy



## Original Color

24.4084, 18.2548, 8.5404

## Achromatopsia

16.9083, 17.7888, 19.3720

## Achromatomaly

18.6960, 17.3274, 14.6711

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 24.4084, 18.2548, 8.5404 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(182, 93, 73)` looks like.

```
.text, #text, p{  
    color:rgb(182, 93, 73)  
}
```

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(182, 93, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 93, 73) }
```

## Border

The CSS property to change the border of an element to XYZ 24.4084, 18.2548, 8.5404 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(182, 93, 73) }
```



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

```
.border{ border-color:rgb(182, 93, 73) }
```

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

Here you see how a box with a 4 pixel rgb(182, 93, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 93, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 93, 73);  
box-shadow:4px 4px 4px 4px rgb(182, 93,  
73) }
```

# Background

The CSS property to change the background color of an element to XYZ 24.4084, 18.2548, 8.5404 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 93, 73) }
```

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

```
.background{ background-color: rgb(182, 93,  
73) }
```

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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