

# Converting Colors

XYZ(33.8388, 24.2306, 8.9394)

Have a look what the booklet for  
XYZ(33.8388, 24.2306, 8.9394)  
contains.

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# Color

**XYZ(33.8477, 24.2223,  
9.0223)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D76548
RGB	215, 101, 72
RGB Percent	84%, 40%, 28%
CMY	0.1569, 0.6039, 0.7176
CMYK	0.00, 0.53, 0.67, 0.16
HSL	12°, 64%, 56%
HSV	12°, 67%, 84%
XYZ	33.8477, 24.2223, 9.0223
YIQ	131.7800, 77.2530, 15.1490

# Conversions

## Conversions Part 2

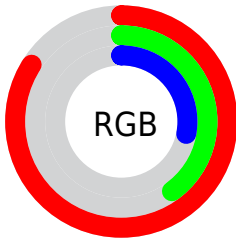
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	215, 108, 72
Decimal	14116168
CIE <sub>Lab</sub>	56.31, 42.73, 37.48
CIE <sub>LCh</sub>	56, 56.834, 41.257
Yxy	24.2223, 0.5045, 0.3610
Android (android.graphics.Color)	4292306248 (0xFFD76548)
YUV	131.7800, -29.4715, 72.9839
Hunter-Lab	49.2162, 36.6325, 23.5823

# Details

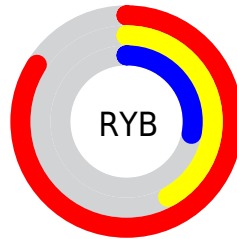
The XYZ color **33.8477, 24.2223, 9.0223** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **32.4958, 41.3991, 70.5677**, and the grayscale version is **21.9369, 23.0794, 25.1334**.

A 20% lighter version of the original color is **56.2468, 45.7517, 23.9556**, and **14.6112, 9.1412, 1.9716** is the 20% darker color. If you saturate the color by 10%, you get **31.7709, 21.0018, 5.4539**, and if you desaturate by 10%, it is **36.5179, 28.2375, 13.9984**.

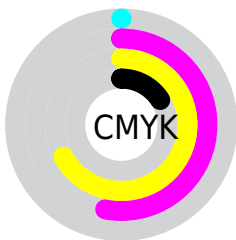
# Distribution



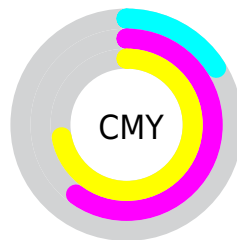
- Red (84%)
- Green (40%)
- Blue (28%)



- Red (84%)
- Yellow (42%)
- Blue (28%)



- Cyan (0%)
- Magenta (53%)
- Yellow (67%)
- Black (16%)



- Cyan (16%)
- Magenta (60%)
- Yellow (72%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.8477, 24.2223, 9.0223 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 33.8477, 24.2223, 9.0223 by changing the saturation by 10% instead.





 33.8477, 24.2223,  
9.0223


 33.8477, 24.2223,  
9.0223


311.0503,  
273.9424, 193.7684


 22.9390, 15.4986,  
4.6587


 65.0426, 50.3927,  
24.5179

 14.6689, 9.1701,  
1.9932


 86.0595, 68.6082,  
36.4871

 8.6721, 4.8523,  
0.5511


 111.1765, 90.7565,  
51.8285

 4.5833, 2.1608,  
0.0000

 140.7589,  
117.2218, 70.9607

 2.0372, 0.6985,  
0.0000

 175.1722,  
148.3887, 94.3022

 0.6547, 0.0000,  
0.0000

214.7816,

 0.0000, 0.0000,

184.6415, 122.2717

0.0000

259.9525,  
226.3646, 155.2875

■ 33.8477, 24.2223,  
9.0223

■ 33.8477, 24.2223,  
9.0223

■ 31.7709, 21.0018,  
5.4539

■ 36.5179, 28.2375,  
13.9984

■ 30.2370, 18.5179,  
3.1431

■ 39.8225, 33.0924,  
20.5086

■ 29.1884, 16.7098,  
1.9023

■ 43.8009, 38.8331,  
28.6666

■ 28.9104, 16.2195,  
1.6069

■ 48.4886, 45.5013,  
38.5752

■ 53.9187, 53.1361,  
50.3284

■ 60.1218, 61.7739,  
64.0136

■ 67.1272, 71.4497,  
79.7128

■ 74.9623, 82.1965,  
97.5031

■ 81.8342, 93.1870,  
108.2815

# Harmonies

## Analogous

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



37.7154, 24.2223, 19.9408



33.8477, 24.2223, 9.0223



27.3112, 24.2223, 4.8408

# Triad

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



33.8477, 24.2223, 9.0223



13.0370, 24.2223, 16.3989



25.5697, 24.2223, 79.9230

# Complementary

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



33.8477, 24.2223, 9.0223



32.4958, 41.3991, 70.5677

# 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.



19.2082, 24.2223, 77.3977



33.8477, 24.2223, 9.0223



12.7478, 24.2223, 34.0603

# Square

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



33.8477, 24.2223, 9.0223



15.6760, 24.2223, 7.4896



14.7932, 24.2223, 58.0264



32.3665, 24.2223, 63.8436



# Rectangle

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



33.8477, 24.2223, 9.0223



22.7474, 24.2223, 4.2515



14.7932, 24.2223, 58.0264



23.3000, 24.2223, 81.3666

# Sweetspot

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



33.8483, 24.2236, 9.0227



76.2730, 73.8875, 67.3684



39.2471, 22.6441, 48.9797



15.8410, 15.1335, 13.3710



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



33.8483, 24.2236, 9.0227



45.6977, 29.2192, 6.3633



43.9654, 44.4580, 12.3951



12.6253, 12.8247, 12.9707



17.3529, 9.8230, 0.9814



1.1064, 0.7121, 0.0791

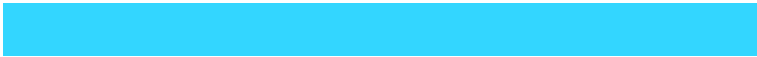


# Inverse Universe

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



32.4958, 41.3991, 70.5677



43.3658, 55.8250, 103.0974



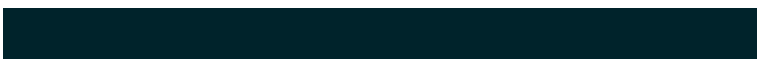
21.0576, 18.5228, 66.7550



12.5683, 13.6600, 15.9117



16.1680, 20.5977, 41.5768

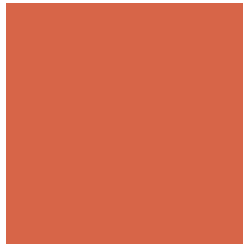


1.0306, 1.3531, 2.5262



# Previews

## White Background



This preview shows how the XYZ color 33.8477, 24.2223, 9.0223 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 33.8477, 24.2223, 9.0223 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 33.8477, 24.2223, 9.0223**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.8477, 24.2223, 9.0223.



This preview shows how white text looks on a background with the XYZ color 33.8477, 24.2223, 9.0223.



# 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

33.8477, 24.2223, 9.0223

### Protanopia

22.6171, 24.5443, 11.9330

### Deuteranopia

24.7700, 24.3094, 8.5409



## Tritanopia

35.3381, 24.2804, 15.6560

# Trichromacy



## Original Color

33.8477, 24.2223, 9.0223

## Protanomaly

25.5442, 23.5158, 10.7821

## Deuteranomaly

27.4074, 23.8014, 8.6184

## Tritanomaly

34.6184, 24.1070, 12.9537

# Monochromacy



## Original Color

33.8477, 24.2223, 9.0223

## Achromatopsia

21.9318, 23.0740, 25.1276

## Achromatomaly

24.5521, 22.4819, 17.7973

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.8477, 24.2223, 9.0223 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(215, 101, 72)` looks like.

```
.text, #text, p{  
    color:rgb(215, 101, 72)  
}
```

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(215, 101, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 101, 72) }
```

## Border

The CSS property to change the border of an element to XYZ 33.8477, 24.2223, 9.0223 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(215, 101, 72) }
```



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

```
.border{ border-color:rgb(215, 101, 72) }
```

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

Here you see how a box with a 4 pixel rgb(215, 101, 72) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 101, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 101, 72);  
box-shadow:4px 4px 4px 4px rgb(215, 101,  
72) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.8477, 24.2223, 9.0223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 101, 72) }
```

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

```
.background{ background-color: rgb(215,  
101, 72) }
```

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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