

# Converting Colors

XYZ(33.1524, 24.8344, 16.5875)

Have a look what the booklet for  
XYZ(33.1524, 24.8344, 16.5875)  
contains.

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# Color

**XYZ(33.2470, 24.9570,  
16.7005)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD6D6A
RGB	205, 109, 106
RGB Percent	80%, 43%, 42%
CMY	0.1961, 0.5725, 0.5843
CMYK	0.00, 0.47, 0.48, 0.20
HSL	2°, 50%, 61%
HSV	2°, 48%, 80%
XYZ	33.2470, 24.9570, 16.7005
YIQ	137.3620, 58.1790, 19.4190

# Conversions

## Conversions Part 2

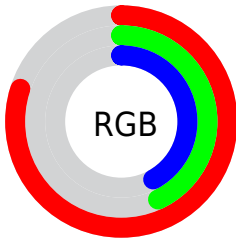
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	205, 109, 106
Decimal	13462890
CIE Lab	57.03, 37.50, 18.86
CIE LCh	57, 41.973, 26.703
Yxy	24.9570, 0.4439, 0.3332
Android (android.graphics.Color)	4291652970 (0xFFCD6D6A)
YUV	137.3620, -15.4615, 59.3185
Hunter-Lab	49.9570, 31.3693, 15.1494

# Details

The XYZ color **33.2470, 24.9570, 16.7005** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.0826, 49.7105, 65.3454**, and the grayscale version is **23.9569, 25.2045, 27.4477**.

A 20% lighter version of the original color is **60.2461, 49.5350, 38.2842**, and **14.3351, 9.5449, 5.2245** is the 20% darker color. If you saturate the color by 10%, you get **30.4195, 20.8091, 11.1123**, and if you desaturate by 10%, it is **36.8100, 30.1683, 23.7915**.

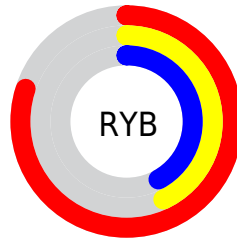
# Distribution



Red (80%)

Green (43%)

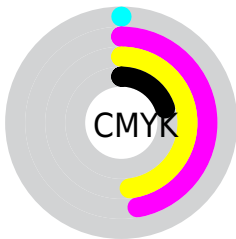
Blue (42%)



Red (80%)

Yellow (43%)

Blue (42%)

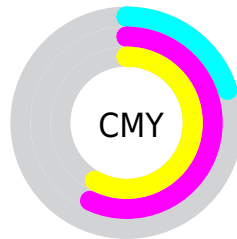


Cyan (0%)

Magenta (47%)

Yellow (48%)

Black (20%)



Cyan (20%)

Magenta (57%)


Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2470, 24.9570, 16.7005 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 33.2470, 24.9570, 16.7005 by changing the saturation by 10% instead.





 33.2470, 24.9570,  
16.7005


 33.2470, 24.9570,  
16.7005


308.4066,  
277.6237, 245.4257

 22.4759, 16.0450,  
9.8615


 64.1131, 51.5875,  
38.5937


 14.3255, 9.5560,  
5.2028


 84.9387, 70.0747,  
54.4849

 8.4306, 5.1056,  
2.3059


 109.8466, 92.5225,  
74.2307

 4.4258, 2.3094,  
0.7345

 139.2020,  
119.3153, 98.2495

 1.9457, 0.7787,  
0.0000

173.3704,  
150.8374, 126.9598

 0.6032, 0.0000,  
0.0000

212.7170,

 0.0000, 0.0000,

187.4733, 160.7803

0.0000

257.6073,  
229.6072, 200.1294

■ 33.2470, 24.9570,  
16.7005

■ 33.2470, 24.9570,  
16.7005

■ 30.4195, 20.8091,  
11.1123

■ 36.8100, 30.1683,  
23.7915

■ 28.2745, 17.6479,  
6.9173

■ 41.1530, 36.5052,  
32.4813

■ 26.7549, 15.3927,  
3.9935


■ 46.3191, 44.0295,  
42.8596


■ 25.7933, 13.9483,  
2.1970


■ 52.3478, 52.7976,  
55.0093


■ 25.3004, 13.1956,  
1.3141

■ 59.2758, 62.8622,  
69.0074

 25.2443, 13.1142,  
1.2008

 67.1381, 74.2729,  
84.9268

 75.9674, 87.0769,  
102.8361

 78.9868, 91.7191,  
108.1483

# Harmonies

## Analogous

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



34.5104, 24.9570, 28.7667



33.2470, 24.9570, 16.7005



29.3203, 24.9570, 10.2013

# Triad

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



33.2470, 24.9570, 16.7005



16.6411, 24.9570, 14.8195



23.1794, 24.9570, 64.3325

# Complementary

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



33.2470, 24.9570, 16.7005



38.0826, 49.7105, 65.3454

# 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.



18.8840, 24.9570, 56.8029



33.2470, 24.9570, 16.7005



15.4532, 24.9570, 25.6411

# Square

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



33.2470, 24.9570, 16.7005



19.7074, 24.9570, 9.4095



16.2141, 24.9570, 41.3056



28.2453, 24.9570, 59.3961



# Rectangle

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



33.2470, 24.9570, 16.7005



25.9707, 24.9570, 8.3796



16.2141, 24.9570, 41.3056



21.6049, 24.9570, 63.1260

# Sweetspot

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



33.2476, 24.9583, 16.7010



79.7598, 77.7783, 78.0340



41.1522, 27.6158, 59.8802



16.6234, 15.9954, 15.7993



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.



33.2476, 24.9583, 16.7010



49.6481, 33.8216, 17.8490



39.8608, 38.1846, 18.9053



11.2392, 11.2673, 11.6619



15.7281, 8.1892, 0.7517



0.8212, 0.4420, 0.0420



# Inverse Universe

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



38.0826, 49.7105, 65.3454



58.4698, 79.0408, 106.7825



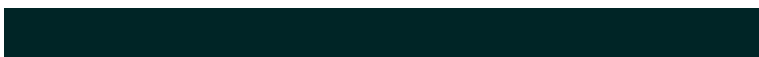
28.4943, 30.5338, 62.1493



11.5129, 12.6663, 14.4084



19.5557, 28.1355, 40.3563



1.0182, 1.4702, 2.0851



# Previews

## White Background



This preview shows how the XYZ color 33.2470, 24.9570, 16.7005 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

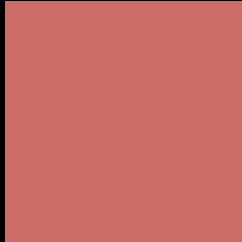
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.2470, 24.9570, 16.7005 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 33.2470, 24.9570, 16.7005**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.2470, 24.9570, 16.7005.



This preview shows how white text looks on a background with the XYZ color 33.2470, 24.9570,



# 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

33.2470, 24.9570, 16.7005

### Protanopia

23.7770, 25.1525, 21.0545

### Deuteranopia

25.5498, 25.1432, 16.0769



## Tritanopia

33.9107, 25.0847, 19.2742

# Trichromacy



## Original Color

33.2470, 24.9570, 16.7005

## Protanomaly

26.3525, 24.5006, 19.2598

## Deuteranomaly

28.0159, 24.8596, 16.1537

## Tritanomaly

33.7408, 25.0168, 18.3796

# Monochromacy



## Original Color

33.2470, 24.9570, 16.7005

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

26.2556, 24.3665, 23.0580

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.2470, 24.9570, 16.7005 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(205, 109, 106)` looks like.

```
.text, #text, p{  
    color:rgb(205, 109, 106)  
}
```

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(205, 109, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 109, 106) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2470, 24.9570, 16.7005 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(205, 109, 106) }
```



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

```
.border{ border-color:rgb(205, 109, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 109, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 109, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 109, 106);  
box-shadow:4px 4px 4px 4px rgb(205, 109,  
106) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2470, 24.9570, 16.7005 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 109, 106) }
```

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

```
.background{ background-color: rgb(205,  
109, 106) }
```

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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