

# Converting Colors

XYZ(33.7366, 24.9244, 18.1889)

Have a look what the booklet for  
XYZ(33.7366, 24.9244, 18.1889)  
contains.

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# Color

**XYZ(33.5805, 24.7849,  
18.0530)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CE6B6F
RGB	206, 107, 111
RGB Percent	81%, 42%, 44%
CMY	0.1922, 0.5804, 0.5647
CMYK	0.00, 0.48, 0.46, 0.19
HSL	358°, 50%, 61%
HSV	358°, 48%, 81%
XYZ	33.5805, 24.7849, 18.0530
YIQ	137.0570, 57.7200, 22.2320

# Conversions

## Conversions Part 2

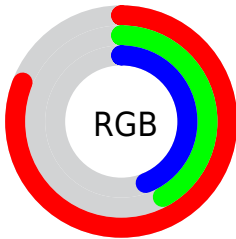
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 107, 111
Decimal	13527919
CIE Lab	56.87, 39.40, 15.76
CIE LCh	57, 42.430, 21.799
Yxy	24.7849, 0.4394, 0.3243
Android (android.graphics.Color)	4291717999 (0xFFCE6B6F)
YUV	137.0570, -12.8461, 60.4630
Hunter-Lab	49.7844, 33.2787, 13.3492

# Details

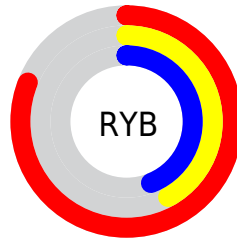
The XYZ color **33.5805, 24.7849, 18.0530** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **38.7967, 51.5331, 63.7824**, and the grayscale version is **23.8319, 25.0730, 27.3045**.

A 20% lighter version of the original color is **60.4217, 49.0460, 40.9326**, and **14.5241, 9.4831, 5.7675** is the 20% darker color. If you saturate the color by 10%, you get **30.7122, 20.6018, 12.3079**, and if you desaturate by 10%, it is **37.2025, 30.0900, 25.2381**.

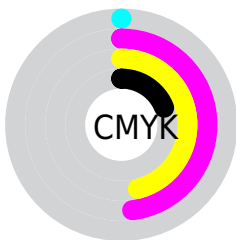
# Distribution



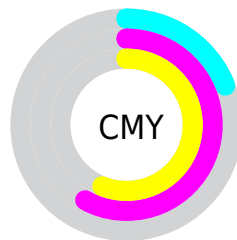
- Red (81%)
- Green (42%)
- Blue (44%)



- Red (81%)
- Yellow (42%)
- Blue (44%)



- Cyan (0%)
- Magenta (48%)
- Yellow (46%)
- Black (19%)




- Cyan (19%)
- Magenta (58%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5805, 24.7849, 18.0530 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 33.5805, 24.7849, 18.0530 by changing the saturation by 10% instead.





 33.5805, 24.7849,  
18.0530


 33.5805, 24.7849,  
18.0530


309.8764,  
276.7650, 253.4157


 22.7329, 15.9169,  
10.8182


 64.6294, 51.3081,  
40.9428

 14.5160, 9.4653,  
5.8321


 85.5614, 69.7320,  
57.4348

 8.5645, 5.0459,  
2.6761


 110.5856, 92.1100,  
77.8497

 4.5131, 2.2742,  
0.9314

 140.0673,  
118.8264, 102.6060

 1.9963, 0.7600,  
0.0000

174.3718,  
150.2658, 132.1222

 0.6319, 0.0000,  
0.0000

213.8646,

 0.0000, 0.0000,

186.8124, 166.8169

0.0000

258.9110,  
228.8507, 207.1085

■ 33.5805, 24.7849,  
18.0530

■ 33.5805, 24.7849,  
18.0530

■ 30.7122, 20.6018,  
12.3079

■ 37.2025, 30.0900,  
25.2381

■ 28.5427, 17.4565,  
7.9046

■ 41.6243, 36.5857,  
33.9499

■ 27.0127, 15.2595,  
4.7345


■ 46.8902, 44.3395,  
44.2697


■ 26.0525, 13.9042,  
2.6719


■ 53.0411, 53.4130,  
56.2728


■ 25.5643, 13.2357,  
1.5602

■ 60.1151, 63.8634,  
70.0297

 25.4990, 13.1400,  
1.4310

 68.1479, 75.7448,  
85.6068

 77.1736, 89.1083,  
103.0673

 79.2635, 91.8618,  
108.1612

# Harmonies

## Analogous

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



34.3270, 24.7849, 31.0781



33.5805, 24.7849, 18.0530



29.9687, 24.7849, 10.6975

# Triad

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



33.5805, 24.7849, 18.0530



16.8229, 24.7849, 13.3628



22.2214, 24.7849, 64.1051

# Complementary

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



33.5805, 24.7849, 18.0530



38.7967, 51.5331, 63.7824

# 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.



18.1325, 24.7849, 54.6814



33.5805, 24.7849, 18.0530



15.3148, 24.7849, 23.2709

# Square

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



33.5805, 24.7849, 18.0530



20.1868, 24.7849, 8.7277



15.7580, 24.7849, 38.4670



27.2835, 24.7849, 61.1681



# Rectangle

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



33.5805, 24.7849, 18.0530



26.6671, 24.7849, 8.4540



15.7580, 24.7849, 38.4670



20.6992, 24.7849, 62.1867

# Sweetspot

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



33.5811, 24.7862, 18.0535



79.6665, 77.2864, 78.9444



40.4997, 27.3974, 61.5459



16.6011, 15.8778, 16.0169



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.



33.5811, 24.7862, 18.0535



49.4926, 32.9900, 19.4020



39.2635, 36.4952, 18.8865



11.2304, 11.2209, 11.7477



15.7102, 8.0947, 0.9265



0.8170, 0.4202, 0.0824



# Inverse Universe

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



33.5811, 24.7862, 18.0535



49.4926, 32.9900, 19.4020



30.0288, 33.2306, 63.2237



11.2304, 11.2209, 11.7477



15.7102, 8.0947, 0.9265



0.8170, 0.4202, 0.0824



# Previews

## White Background



This preview shows how the XYZ color 33.5805, 24.7849, 18.0530 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

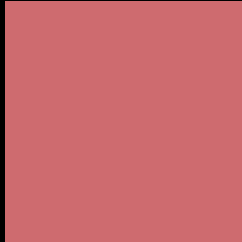
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.5805, 24.7849, 18.0530 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 33.5805, 24.7849, 18.0530**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.5805, 24.7849, 18.0530.



This preview shows how white text looks on a background with the XYZ color 33.5805, 24.7849,



# 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

33.5805, 24.7849, 18.0530

### Protanopia

23.7254, 24.8655, 23.2877

### Deuteranopia

25.2673, 24.7677, 17.3588



## Tritanopia

33.7486, 24.8521, 18.9378

# Trichromacy



## Original Color

33.5805, 24.7849, 18.0530

## Protanomaly

26.3019, 24.0470, 21.3444

## Deuteranomaly

27.7978, 24.3489, 17.4221

## Tritanomaly

33.6919, 24.8295, 18.6396

# Monochromacy



## Original Color

33.5805, 24.7849, 18.0530

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

26.2574, 24.1616, 23.7018

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.5805, 24.7849, 18.0530 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(206, 107, 111)` looks like.

```
.text, #text, p{  
    color:rgb(206, 107, 111)  
}
```

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(206, 107, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 107, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 33.5805, 24.7849, 18.0530 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".

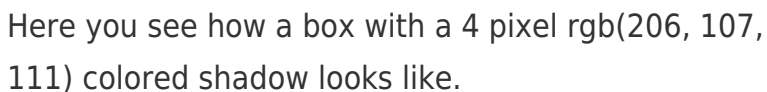
```
.border, #border, table{ border:4px solid rgb(206, 107, 111) }
```



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

```
.border{ border-color:rgb(206, 107, 111) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 107, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 107, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 107, 111);  
box-shadow:4px 4px 4px 4px rgb(206, 107,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.5805, 24.7849, 18.0530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 107, 111) }
```

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

```
.background{ background-color: rgb(206,  
107, 111) }
```

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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