

# Converting Colors

XYZ(32.3178, 24.2495, 22.5052)

Have a look what the booklet for  
XYZ(32.3178, 24.2495, 22.5052)  
contains.

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# Color

**XYZ(32.3529, 24.2116,  
22.3701)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C66C7D
RGB	198, 108, 125
RGB Percent	78%, 42%, 49%
CMY	0.2235, 0.5764, 0.5098
CMYK	0.00, 0.45, 0.37, 0.22
HSL	349°, 44%, 60%
HSV	349°, 45%, 78%
XYZ	32.3529, 24.2116, 22.3701
YIQ	136.8480, 48.1830, 24.3670

# Conversions

## Conversions Part 2

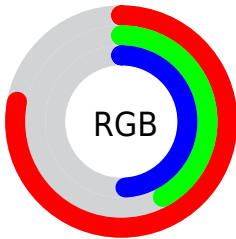
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 108, 125
Decimal	13003901
CIE <sub>Lab</sub>	56.30, 37.48, 6.64
CIE <sub>LCh</sub>	56, 38.059, 10.047
Yxy	24.2116, 0.4099, 0.3067
Android (android.graphics.Color)	4291193981 (0xFFC66C7D)
YUV	136.8480, -5.8411, 53.6303
Hunter-Lab	49.2053, 31.2560, 7.4888

# Details

The XYZ color **32.3529, 24.2116, 22.3701** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **34.7201, 46.9130, 50.9440**, and the grayscale version is **23.7298, 24.9656, 27.1875**.

A 20% lighter version of the original color is **61.9207, 49.9241, 47.9677**, and **13.7521, 9.1108, 7.8712** is the 20% darker color. If you saturate the color by 10%, you get **29.5524, 20.1219, 16.7773**, and if you desaturate by 10%, it is **35.7948, 29.3184, 28.9957**.

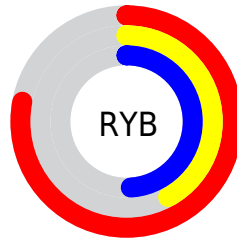
# Distribution



Red (78%)

Green (42%)

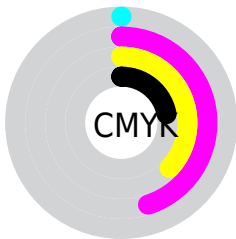
Blue (49%)



Red (78%)

Yellow (42%)

Blue (49%)

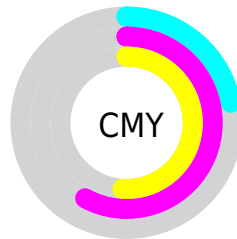


Cyan (0%)

Magenta (45%)

Yellow (37%)

Black (22%)



Cyan (22%)

Magenta (58%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 32.3529, 24.2116, 22.3701 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 32.3529, 24.2116, 22.3701 by changing the saturation by 10% instead.





 32.3529, 24.2116,  
22.3701


 32.3529, 24.2116,  
22.3701


304.4405,  
273.8885, 277.4893


 21.7880, 15.4907,  
13.9282


 62.7254, 50.3753,  
48.2669


 13.8170, 9.1645,  
7.9326


 83.2637, 68.5868,  
66.5590

 8.0743, 4.8486,  
3.9647


 107.8573, 90.7307,  
88.9714

 4.1947, 2.1587,  
1.6060

 136.8714,  
117.1912, 115.9228

 1.8129, 0.6973,  
0.2951

170.6714,  
148.3529, 147.8318

 0.5254, 0.0000,  
0.0000

209.6227,

 0.0000, 0.0000,

184.6001, 185.1168

0.0000

254.0906,  
226.3172, 228.1965

■ 32.3529, 24.2116,  
22.3701

■ 32.3529, 24.2116,  
22.3701

■ 29.5524, 20.1219,  
16.7773

■ 35.7948, 29.3184,  
28.9957

■ 27.3508, 16.9774,  
12.1632

■ 39.9131, 35.5006,  
36.7018

■ 25.7037, 14.7028,  
8.4707


■ 44.7424, 42.8164,  
45.5344


■ 24.5590, 13.2093,  
5.6359

■ 50.3145, 51.3186,  
55.5369


■ 23.8542, 12.3884,  
3.5860


■ 56.6592, 61.0568,  
66.7498

 23.6287, 12.1418,  
2.8808

 63.8046, 72.0778,  
79.2122

 71.7775, 84.4259,  
92.9610

 76.8561, 90.6487,  
106.7828

 77.0986, 90.7457,  
108.0599

# Harmonies

## Analogous

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



31.8823, 24.2116, 35.4907



32.3529, 24.2116, 22.3701



30.0890, 24.2116, 13.6780

# Triad

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



32.3529, 24.2116, 22.3701



18.0026, 24.2116, 11.8613



20.2534, 24.2116, 56.1970

# Complementary

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



32.3529, 24.2116, 22.3701



34.7201, 46.9130, 50.9440

# 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.



17.1426, 24.2116, 45.1509



32.3529, 24.2116, 22.3701



15.9621, 24.2116, 18.9510

# Square

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



32.3529, 24.2116, 22.3701



21.5726, 24.2116, 9.0175



15.6686, 24.2116, 30.8033



24.5149, 24.2116, 58.0034



# Rectangle

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



32.3529, 24.2116, 22.3701



27.4840, 24.2116, 10.4872



15.6686, 24.2116, 30.8033



19.0542, 24.2116, 53.3068

# Sweetspot

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



32.3535, 24.2128, 22.3706



80.3830, 77.5730, 82.7179



34.3788, 24.5070, 56.3443



16.7731, 15.9466, 16.9225



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.



32.3535, 24.2128, 22.3706



52.1675, 35.3946, 29.3734



34.6603, 30.4177, 18.2334



10.7143, 10.6691, 11.4790



15.3902, 7.9056, 1.9986



0.7541, 0.3845, 0.2281



# Inverse Universe

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



32.3535, 24.2128, 22.3706



52.1675, 35.3946, 29.3734



30.9413, 36.3922, 58.8196



10.7143, 10.6691, 11.4790



15.3902, 7.9056, 1.9986

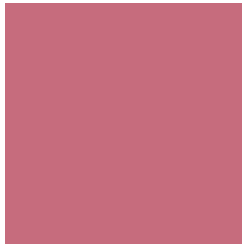


0.7541, 0.3845, 0.2281



# Previews

## White Background



This preview shows how the XYZ color 32.3529, 24.2116, 22.3701 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

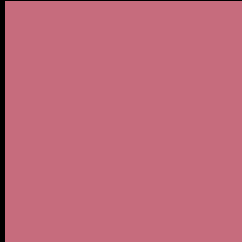
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 32.3529, 24.2116, 22.3701 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

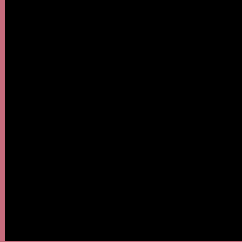
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

# XYZ 32.3529, 24.2116, 22.3701

## Background



This preview shows how black text looks on a background with the XYZ color 32.3529, 24.2116, 22.3701.



This preview shows how white text looks on a background with the XYZ color 32.3529, 24.2116,



# 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

32.3529, 24.2116, 22.3701

### Protanopia

23.7141, 24.5398, 28.2977

### Deuteranopia

24.8939, 24.4831, 21.5028



## Tritanopia

31.7055, 24.0919, 19.8088

# Trichromacy



## Original Color

32.3529, 24.2116, 22.3701

## Protanomaly

26.0049, 23.7874, 26.1425

## Deuteranomaly

27.1734, 24.1171, 21.6352

## Tritanomaly

31.8848, 24.1637, 20.7528

# Monochromacy



## Original Color

32.3529, 24.2116, 22.3701

## Achromatopsia

23.7775, 25.0158, 27.2422

## Achromatomaly

25.9926, 23.9861, 25.4501

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 32.3529, 24.2116, 22.3701 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(198, 108, 125)` looks like.

```
.text, #text, p{  
    color:rgb(198, 108, 125)  
}
```

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(198, 108, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 108, 125) }
```

## Border

The CSS property to change the border of an element to XYZ 32.3529, 24.2116, 22.3701 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(198, 108, 125) }
```



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

```
.border{ border-color:rgb(198, 108, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 108, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 108, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 108, 125);  
box-shadow:4px 4px 4px 4px rgb(198, 108,  
125) }
```

# Background

The CSS property to change the background color of an element to XYZ 32.3529, 24.2116, 22.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 108, 125) }
```

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

```
.background{ background-color: rgb(198,  
108, 125) }
```

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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