

# Converting Colors

XYZ(30.6425, 28.5244, 21.2490)

Have a look what the booklet for  
XYZ(30.6425, 28.5244, 21.2490)  
contains.

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# Color

**XYZ(30.7243, 28.5239,  
21.3391)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B38877
RGB	179, 136, 119
RGB Percent	70%, 53%, 47%
CMY	0.2980, 0.4666, 0.5333
CMYK	0.00, 0.24, 0.34, 0.30
HSL	17°, 28%, 58%
HSV	17°, 34%, 70%
XYZ	30.7243, 28.5239, 21.3391
YIQ	146.9190, 31.0850, 3.8290

# Conversions

## Conversions Part 2

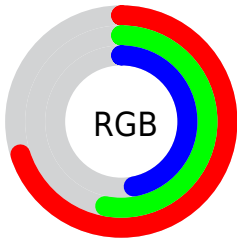
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 143, 119
Decimal	11765879
CIE Lab	60.36, 14.02, 15.48
CIE LCh	60, 20.884, 47.844
Yxy	28.5239, 0.3813, 0.3540
Android (android.graphics.Color)	4289955959 (0xFFB38877)
YUV	146.9190, -13.7641, 28.1350
Hunter-Lab	53.4078, 9.2235, 13.6961

# Details

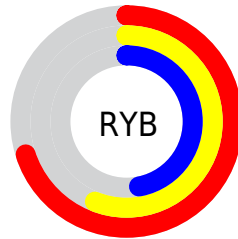
The XYZ color **30.7243, 28.5239, 21.3391** is a dark color, and the websafe version is hex **CC9999**. A complement of this color would be **28.6643, 33.0162, 47.5098**, and the grayscale version is **27.7464, 29.1913, 31.7894**.

A 20% lighter version of the original color is **60.1404, 57.1683, 46.3929**, and **12.9226, 11.4705, 7.4942** is the 20% darker color. If you saturate the color by 10%, you get **28.0493, 24.7352, 15.6339**, and if you desaturate by 10%, it is **33.8195, 32.8287, 28.1839**.

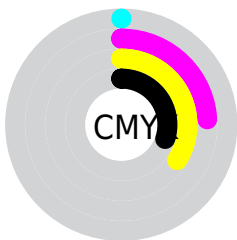
# Distribution



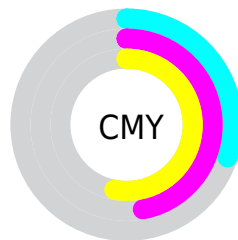
- Red (70%)
- Green (53%)
- Blue (47%)



- Red (70%)
- Yellow (56%)
- Blue (47%)



- Cyan (0%)
- Magenta (24%)
- Yellow (34%)
- Black (30%)



- Cyan (30%)
- Magenta (47%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7243, 28.5239, 21.3391 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 30.7243, 28.5239, 21.3391 by changing the saturation by 10% instead.



■ 30.7243, 28.5239,  
21.3391

■ 30.7243, 28.5239,  
21.3391

297.1158,  
294.9619, 271.9152

■ 20.5398, 18.7210,  
13.1784

■ 60.1845, 57.3198,  
46.5393

■ 12.8986, 11.4688,  
7.4194

■ 80.1910, 77.0815,  
64.4159

■ 7.4353, 6.3831,  
3.6433

■ 104.2022,  
100.9317, 86.3683

■ 3.7845, 3.0794,  
1.4318

132.5834,  
129.2546, 112.8150

■ 1.5810, 1.1733,  
0.1663

165.7000,  
162.4346, 144.1744

■ 0.3799, 0.0398,  
0.0000

203.9173,

■ 0.0000, 0.0000,

200.8563, 180.8653

0.0000

247.6008,  
244.9039, 223.3060

■ 30.7243, 28.5239,  
21.3391

■ 30.7243, 28.5239,  
21.3391

■ 28.0493, 24.7352,  
15.6339

■ 33.8195, 32.8287,  
28.1839

■ 25.7733, 21.4389,  
11.0041

■ 37.3504, 37.6643,  
36.2242

■ 23.8765, 18.6152,  
7.3816


■ 41.3345, 43.0496,  
45.5146


■ 22.3362, 16.2414,  
4.6896


■ 45.7874, 49.0015,  
56.1054


■ 21.1273, 14.2926,  
2.8404


■ 50.7242, 55.5362,  
68.0444


 20.2204, 12.7414,  
1.7288

 56.1592, 62.6691,  
81.3769

 19.7624, 11.9276,  
1.2607

 62.1060, 70.4150,  
96.1460

 67.3964, 78.3158,  
106.1720

 71.2782, 86.0793,  
107.4659

# Harmonies

## Analogous

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



32.3262, 28.5239, 26.7454



30.7243, 28.5239, 21.3391



28.2124, 28.5239, 18.7340

# Triad

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



30.7243, 28.5239, 21.3391



22.3726, 28.5239, 28.0482



28.7234, 28.5239, 47.3577

# Complementary

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



30.7243, 28.5239, 21.3391



28.6643, 33.0162, 47.5098

# 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.



26.0388, 28.5239, 47.8623



30.7243, 28.5239, 21.3391



22.4894, 28.5239, 35.8102

# Square

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



30.7243, 28.5239, 21.3391



23.4626, 28.5239, 22.1568



23.7929, 28.5239, 43.3531



31.1196, 28.5239, 42.0707



# Rectangle

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



30.7243, 28.5239, 21.3391



26.4129, 28.5239, 18.5965



23.7929, 28.5239, 43.3531



27.8215, 28.5239, 48.1204

# Sweetspot

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



30.7250, 28.5252, 21.3397



69.1922, 70.5756, 70.1967



31.7090, 25.3863, 37.4114



15.1159, 15.3464, 15.0564



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



30.7250, 28.5252, 21.3397



51.5238, 46.1386, 30.7043



35.5565, 38.1882, 22.9502



8.6860, 8.8845, 8.9096



14.0139, 8.5263, 0.9071



0.4918, 0.3700, 0.0455



# Inverse Universe

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



28.6643, 33.0162, 47.5098



47.2685, 55.3579, 84.5750



23.9960, 23.6795, 45.9537



8.5351, 9.2164, 10.8354



11.2870, 13.3743, 32.1236



0.4017, 0.5139, 1.0263



# Previews

## White Background



This preview shows how the XYZ color 30.7243, 28.5239, 21.3391 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

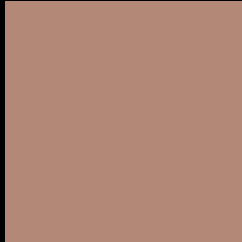
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 30.7243, 28.5239, 21.3391 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

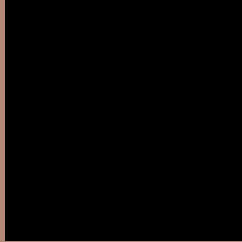
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 30.7243, 28.5239, 21.3391**

## **Background**



This preview shows how black text looks on a background with the XYZ color 30.7243, 28.5239, 21.3391.



This preview shows how white text looks on a background with the XYZ color 30.7243, 28.5239,



# 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

30.7243, 28.5239, 21.3391

### Protanopia

26.9004, 28.4783, 23.1479

### Deuteranopia

29.0103, 28.4992, 21.1114



## Tritanopia

32.4015, 28.5820, 29.7957

# Trichromacy



## Original Color

30.7243, 28.5239, 21.3391

## Protanomaly

28.0861, 28.4325, 22.4201

## Deuteranomaly

29.7362, 28.6575, 21.1037

## Tritanomaly

31.6506, 28.4747, 26.3823

# Monochromacy



## Original Color

30.7243, 28.5239, 21.3391

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

28.6359, 28.8220, 27.7208

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 30.7243, 28.5239, 21.3391 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(179, 136, 119)` looks like.

```
.text, #text, p{  
    color:rgb(179, 136, 119)  
}
```

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(179, 136, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 136, 119) }
```

## Border

The CSS property to change the border of an element to XYZ 30.7243, 28.5239, 21.3391 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(179, 136, 119) }
```



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

```
.border{ border-color:rgb(179, 136, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 136, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 136, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 136, 119);  
box-shadow:4px 4px 4px 4px rgb(179, 136,  
119) }
```

# Background

The CSS property to change the background color of an element to XYZ 30.7243, 28.5239, 21.3391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 136, 119) }
```

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

```
.background{ background-color: rgb(179,  
136, 119) }
```

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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