

# Converting Colors

XYZ(33.0964, 27.8177, 35.5233)

Have a look what the booklet for  
XYZ(33.0964, 27.8177, 35.5233)  
contains.

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# Color

**XYZ(33.0964, 27.8177,  
35.5233)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B6809D
RGB	182, 128, 157
RGB Percent	71%, 50%, 62%
CMY	0.2863, 0.4980, 0.3843
CMYK	0.00, 0.30, 0.14, 0.29
HSL	328°, 27%, 61%
HSV	328°, 30%, 71%
XYZ	33.0964, 27.8177, 35.5233
YIQ	147.4520, 22.8750, 20.4670

# Conversions

## Conversions Part 2

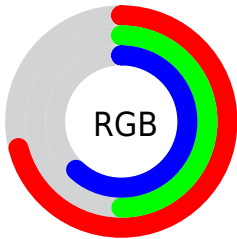
Format	Color
R <sub>Y</sub> B	182, 128, 157
Decimal	11960477
CIE Lab	59.72, 25.37, -7.13
CIE LCh	60, 26.350, 344.312
Yxy	27.8177, 0.3432, 0.2885
Android (android.graphics.Color)	4290150557 (0xFFB6809D)
YUV	147.4520, 4.7072, 30.2986
Hunter-Lab	52.7425, 19.7111, -3.0135

# Details

The XYZ color **33.0964, 27.8177, 35.5233** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.3810, 40.3458, 36.2724**, and the grayscale version is **27.8954, 29.3482, 31.9602**.

A 20% lighter version of the original color is **64.0041, 56.1519, 69.7524**, and **14.2280, 11.0786, 15.0242** is the 20% darker color. If you saturate the color by 10%, you get **30.2373, 23.2112, 31.1425**, and if you desaturate by 10%, it is **36.4325, 33.2982, 40.3086**.

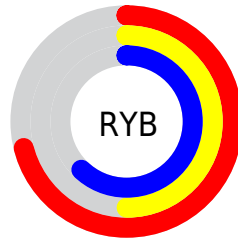
# Distribution



Red (71%)

Green (50%)

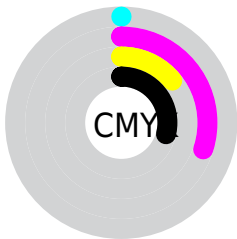
Blue (62%)



Red (71%)

Yellow (50%)

Blue (62%)

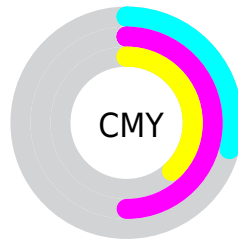


Cyan (0%)

Magenta (30%)

Yellow (14%)

Black (29%)



Cyan (29%)

Magenta (50%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0964, 27.8177, 35.5233 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 33.0964, 27.8177, 35.5233 by changing the saturation by 10% instead.




 33.0964, 27.8177,  
35.5233

 33.0964, 27.8177,  
35.5233


307.7412,  
291.5948, 341.8463


 22.3599, 18.1883,  
23.7795


 63.8797, 56.1933,  
69.4564

 14.2397, 11.0852,  
14.9594


 84.6572, 75.7082,  
92.4828

 8.3704, 6.1242,  
8.6446


 109.5123, 99.2871,  
120.1070

 4.3866, 2.9208,  
4.4165

138.8106,  
127.3143, 152.7478

 1.9231, 1.0905,  
1.8565

172.9172,  
160.1743, 190.8236

 0.5902, 0.0000,  
0.4648

212.1976,

 0.0000, 0.0000,

198.2515, 234.7529

0.0000

257.0172,  
241.9302, 284.9543

■ 33.0964, 27.8177,  
35.5233

■ 33.0964, 27.8177,  
35.5233

■ 30.2373, 23.2112,  
31.1425

■ 36.4325, 33.2982,  
40.3086

■ 27.8291, 19.4289,  
27.1516

■ 40.2653, 39.6914,  
45.5087

■ 25.8466, 16.4219,  
23.5375

■ 44.6161, 47.0382,  
51.1358

■ 24.2612, 14.1344,  
20.2854

■ 49.5044, 55.3761,  
57.2007

■ 23.0403, 12.5033,  
17.3790

■ 54.9486, 64.7403,  
63.7140

■ 22.1458, 11.4541,  
14.8002

■ 60.9662, 75.1646,  
70.6859

■ 21.5035, 10.8404,  
12.5182

■ 67.4445, 86.4224,  
78.0829

■ 21.4838, 10.8221,  
12.4466

■ 68.5622, 86.8694,  
83.9687

■ 69.7366, 87.3392,  
90.1531

# Harmonies

## Analogous

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



31.1701, 27.8177, 45.3977



33.0964, 27.8177, 35.5233



33.1427, 27.8177, 25.9778

# Triad

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



33.0964, 27.8177, 35.5233



24.8884, 27.8177, 15.7674



22.1175, 27.8177, 44.9908

# Complementary

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



33.0964, 27.8177, 35.5233



31.3810, 40.3458, 36.2724

# 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.



20.7078, 27.8177, 35.0520



33.0964, 27.8177, 35.5233



22.2142, 27.8177, 18.9701

# Square

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



33.0964, 27.8177, 35.5233



28.2095, 27.8177, 15.8413



20.7417, 27.8177, 25.5955



24.7459, 27.8177, 51.5975



# Rectangle

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



33.0964, 27.8177, 35.5233



32.0896, 27.8177, 21.0826



20.7417, 27.8177, 25.5955



21.4956, 27.8177, 41.8471

# Sweetspot

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



33.0972, 27.8190, 35.5239



73.3837, 72.6039, 83.0135



29.1689, 25.5215, 47.6452



15.9708, 15.6375, 18.0205



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



33.0972, 27.8190, 35.5239



56.3166, 44.4740, 58.8143



31.0880, 27.0153, 24.9436



9.2008, 9.0907, 10.4048



15.2053, 7.6559, 8.9680



0.5669, 0.2823, 0.4789



# Inverse Universe

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



33.0972, 27.8190, 35.5239



56.3166, 44.4740, 58.8143



33.7980, 41.3127, 49.0005



9.2008, 9.0907, 10.4048



15.2053, 7.6559, 8.9680

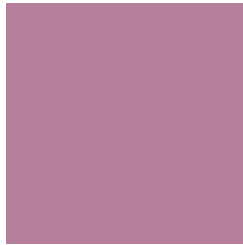


0.5669, 0.2823, 0.4789



# Previews

## White Background



This preview shows how the XYZ color 33.0964, 27.8177, 35.5233 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

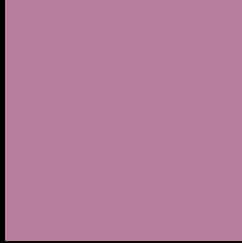
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.0964, 27.8177, 35.5233 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

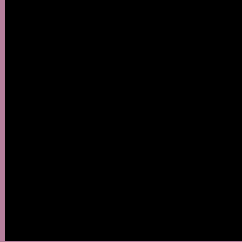
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.0964, 27.8177, 35.5233**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.0964, 27.8177, 35.5233.



This preview shows how white text looks on a background with the XYZ color 33.0964, 27.8177,

35.5233.

# 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

33.0964, 27.8177, 35.5233

### Protanopia

27.6127, 28.0104, 40.5104

### Deuteranopia

28.4313, 27.8950, 34.8961



## Tritanopia

31.7464, 27.8590, 28.9034

# Trichromacy



## Original Color

33.0964, 27.8177, 35.5233

## Protanomaly

29.2169, 27.7899, 38.4744

## Deuteranomaly

30.1148, 27.9011, 35.2507

## Tritanomaly

32.3051, 27.8956, 31.2855

# Monochromacy



## Original Color

33.0964, 27.8177, 35.5233

## Achromatopsia

27.7328, 29.1771, 31.7738

## Achromatomaly

29.4612, 28.4641, 33.2195

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0964, 27.8177, 35.5233 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(182, 128, 157)` looks like.

```
.text, #text, p{  
    color:rgb(182, 128, 157)  
}
```

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(182, 128, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 128, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0964, 27.8177, 35.5233 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(182, 128, 157) }
```



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

```
.border{ border-color:rgb(182, 128, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(182, 128, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 128, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 128, 157);  
box-shadow:4px 4px 4px 4px rgb(182, 128,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0964, 27.8177, 35.5233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 128, 157) }
```

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

```
.background{ background-color: rgb(182,  
128, 157) }
```

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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