

# Converting Colors

XYZ(32.9494, 28.4053, 28.1162)

Have a look what the booklet for  
XYZ(32.9494, 28.4053, 28.1162)  
contains.

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# Color

**XYZ(33.0262, 28.5358,  
28.1934)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BA838B
RGB	186, 131, 139
RGB Percent	73%, 51%, 55%
CMY	0.2706, 0.4863, 0.4549
CMYK	0.00, 0.30, 0.25, 0.27
HSL	351°, 28%, 62%
HSV	351°, 30%, 73%
XYZ	33.0262, 28.5358, 28.1934
YIQ	148.3570, 30.2120, 14.1480

# Conversions

## Conversions Part 2

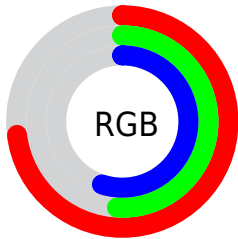
Format	Color
R <sub>Y</sub> B	186, 131, 139
Decimal	12223371
CIE Lab	60.37, 22.33, 4.20
CIE LCh	60, 22.726, 10.642
Yxy	28.5358, 0.3680, 0.3179
Android (android.graphics.Color)	4290413451 (0xFFBA838B)
YUV	148.3570, -4.6130, 33.0129
Hunter-Lab	53.4189, 16.8744, 6.1012

# Details

The XYZ color **33.0262, 28.5358, 28.1934** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.9561, 43.1581, 48.6096**, and the grayscale version is **28.3079, 29.7821, 32.4327**.

A 20% lighter version of the original color is **63.6171, 57.1414, 57.5456**, and **14.2613, 11.5117, 10.9215** is the 20% darker color. If you saturate the color by 10%, you get **29.6705, 23.5497, 21.7552**, and if you desaturate by 10%, it is **37.0009, 34.4890, 35.6717**.

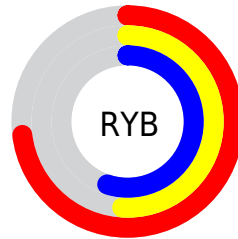
# Distribution



Red (73%)

Green (51%)

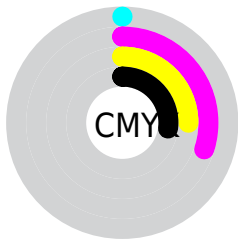
Blue (55%)



Red (73%)

Yellow (51%)

Blue (55%)

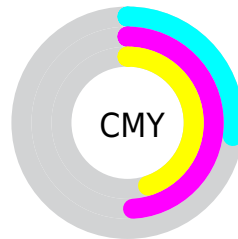


Cyan (0%)

Magenta (30%)

Yellow (25%)

Black (27%)



Cyan (27%)

Magenta (49%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0262, 28.5358, 28.1934 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 33.0262, 28.5358, 28.1934 by changing the saturation by 10% instead.





 33.0262, 28.5358,  
28.1934


 33.0262, 28.5358,  
28.1934


307.4307,  
295.0184, 307.3309


 22.3058, 18.7299,  
18.2312


 63.7708, 57.3387,  
57.8199

 14.1997, 11.4753,  
10.9449


 84.5258, 77.1046,  
78.3212

 8.3423, 6.3875,  
5.9161


 109.3564,  
100.9593, 103.1727

 4.3684, 3.0821,  
2.7262

138.6280,  
129.2871, 132.7928

 1.9126, 1.1747,  
0.9566

172.7058,  
162.4726, 167.6002

 0.5841, 0.0409,  
0.0000

211.9553,

 0.0000, 0.0000,

200.9000, 208.0133

0.0000

256.7418,  
244.9538, 254.4507

■ 33.0262, 28.5358,  
28.1934

■ 33.0262, 28.5358,  
28.1934

■ 29.6705, 23.5497,  
21.7552

■ 37.0009, 34.4890,  
35.6717

■ 26.9000, 19.4758,  
16.3093

■ 41.6211, 41.4525,  
44.2318

■ 24.6817, 16.2599,  
11.8063


■ 46.9150, 49.4716,  
53.9150


■ 22.9778, 13.8402,  
8.1923


■ 52.9080, 58.5877,  
64.7601

■ 21.7461, 12.1469,  
5.4076


■ 59.6245, 68.8402,  
76.8039


 20.9372, 11.0978,  
3.3849

 67.0875, 80.2662,  
90.0816

 20.4649, 10.5392,  
2.0375

 73.3075, 88.8782,  
103.9565

 20.4481, 10.5185,  
1.9921

 74.0598, 89.1791,  
107.9177

# Harmonies

## Analogous

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



32.7749, 28.5358, 36.7141



33.0262, 28.5358, 28.1934



31.6120, 28.5358, 21.7260

# Triad

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



33.0262, 28.5358, 28.1934



23.6257, 28.5358, 20.3923



25.3027, 28.5358, 48.8545

# Complementary

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



33.0262, 28.5358, 28.1934



34.9561, 43.1581, 48.6096

# 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.



23.0794, 28.5358, 42.7711



33.0262, 28.5358, 28.1934



22.1604, 28.5358, 26.0373

# Square

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



33.0262, 28.5358, 28.1934



26.0982, 28.5358, 17.7900



21.9678, 28.5358, 34.1373



28.1731, 28.5358, 49.7151



# Rectangle

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



33.0262, 28.5358, 28.1934



29.9707, 28.5358, 19.0525



21.9678, 28.5358, 34.1373



24.4606, 28.5358, 47.3072

# Sweetspot

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



33.0270, 28.5371, 28.1940



75.8173, 75.7042, 80.8657



35.2829, 29.2146, 50.2339



16.4080, 16.2358, 17.2773



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438



# Same Dimension

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



33.0270, 28.5371, 28.1940



56.0751, 46.0866, 43.8664



35.2936, 33.9716, 26.1714



9.0564, 9.0329, 9.6444



13.7742, 7.0834, 1.4319



0.5026, 0.2565, 0.1401



# Inverse Universe

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



33.0270, 28.5371, 28.1940



56.0751, 46.0866, 43.8664



31.9971, 35.9175, 51.7009



9.0564, 9.0329, 9.6444



13.7742, 7.0834, 1.4319

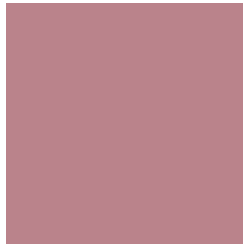


0.5026, 0.2565, 0.1401



# Previews

## White Background



This preview shows how the XYZ color 33.0262, 28.5358, 28.1934 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

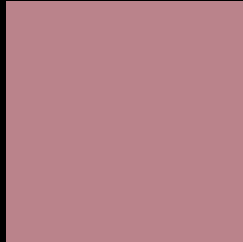
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 33.0262, 28.5358, 28.1934 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

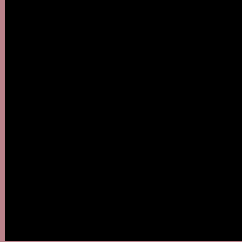
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.0262, 28.5358, 28.1934**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.0262, 28.5358, 28.1934.



This preview shows how white text looks on a background with the XYZ color 33.0262, 28.5358,



# 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

33.0262, 28.5358, 28.1934

### Protanopia

27.6046, 28.6533, 31.6795

### Deuteranopia

29.1445, 28.6424, 27.6594



## Tritanopia

33.1737, 28.5948, 28.9702

# Trichromacy



## Original Color

33.0262, 28.5358, 28.1934

## Protanomaly

29.3124, 28.4512, 30.3322

## Deuteranomaly

30.3277, 28.3842, 27.9250

## Tritanomaly

33.0996, 28.5652, 28.5800

# Monochromacy



## Original Color

33.0262, 28.5358, 28.1934

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.6841, 29.0717, 30.8349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.0262, 28.5358, 28.1934 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(186, 131, 139)` looks like.

```
.text, #text, p{  
    color:rgb(186, 131, 139)  
}
```

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(186, 131, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 131, 139) }
```

## Border

The CSS property to change the border of an element to XYZ 33.0262, 28.5358, 28.1934 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(186, 131, 139) }
```



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

```
.border{ border-color:rgb(186, 131, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 131, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 131, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 131, 139);  
box-shadow:4px 4px 4px 4px rgb(186, 131,  
139) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.0262, 28.5358, 28.1934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 131, 139) }
```

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

```
.background{ background-color: rgb(186,  
131, 139) }
```

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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