

# Converting Colors

XYZ(36.8764, 30.4025, 34.1755)

Have a look what the booklet for  
XYZ(36.8764, 30.4025, 34.1755)  
contains.

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# Color

**XYZ(36.8920, 30.4028,  
34.0609)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C58399
RGB	197, 131, 153
RGB Percent	77%, 51%, 60%
CMY	0.2274, 0.4863, 0.4000
CMYK	0.00, 0.34, 0.22, 0.23
HSL	340°, 36%, 64%
HSV	340°, 34%, 77%
XYZ	36.8920, 30.4028, 34.0609
YIQ	153.2420, 32.2740, 20.8340

# Conversions

## Conversions Part 2

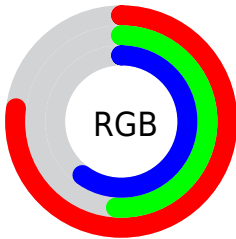
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 131, 153
Decimal	12944281
CIE Lab	62.00, 28.52, -1.28
CIE LCh	62, 28.548, 357.422
Yxy	30.4028, 0.3640, 0.3000
Android (android.graphics.Color)	4291134361 (0xFFC58399)
YUV	153.2420, -0.1193, 38.3758
Hunter-Lab	55.1387, 22.9373, 1.9718

# Details

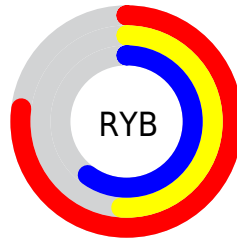
The XYZ color **36.8920, 30.4028, 34.0609** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **37.0655, 47.8537, 47.8428**, and the grayscale version is **30.3750, 31.9569, 34.8011**.

A 20% lighter version of the original color is **69.8514, 60.4629, 67.0204**, and **16.4223, 12.4474, 14.1074** is the 20% darker color. If you saturate the color by 10%, you get **33.4676, 25.1954, 27.8587**, and if you desaturate by 10%, it is **40.9406, 36.6669, 41.0610**.

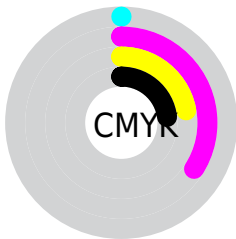
# Distribution



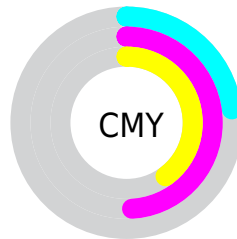
- Red (77%)
- Green (51%)
- Blue (60%)



- Red (77%)
- Yellow (51%)
- Blue (60%)



- Cyan (0%)
- Magenta (34%)
- Yellow (22%)
- Black (23%)




- Cyan (23%)
- Magenta (49%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8920, 30.4028, 34.0609 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 36.8920, 30.4028, 34.0609 by changing the saturation by 10% instead.





 36.8920, 30.4028,  
34.0609


 36.8920, 30.4028,  
34.0609


324.2064,  
303.7775, 335.1810

 25.2972, 20.1445,  
22.6626


 69.7216, 60.2986,  
67.1633

 16.4285, 12.5001,  
14.1417


 91.6870, 80.7049,  
89.7046

 9.9206, 7.0853,  
8.0794


 117.8400,  
105.2627, 116.7973

 5.4082, 3.5155,  
4.0573

148.5460,  
134.3564, 148.8599

 2.5259, 1.4064,  
1.6568

184.1703,  
168.3703, 186.3111

 0.9083, 0.2214,  
0.3309

225.0782,

 0.0000, 0.0000,

207.6888, 229.5693

0.0000

271.6351,  
252.6964, 279.0531

■ 36.8920, 30.4028,  
34.0609

■ 36.8920, 30.4028,  
34.0609

■ 33.4676, 25.1954,  
27.8587

■ 40.9406, 36.6669,  
41.0610

■ 30.6324, 20.9817,  
22.4228

■ 45.6408, 44.0375,  
48.8852

■ 28.3517, 17.6986,  
17.7219


■ 51.0214, 52.5665,  
57.5610


■ 26.5860, 15.2738,  
13.7217


■ 57.1090, 62.3011,  
67.1136


■ 25.2901, 13.6243,  
10.3846


■ 63.9283, 73.2861,  
77.5675

 24.4101, 12.6503,  
7.6685

 71.5031, 85.5638,  
88.9460

 23.9994, 12.2597,  
6.2032

 75.2583, 89.9793,  
99.7391

 76.8361, 90.6104,  
108.0476

# Harmonies

## Analogous

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



35.5542, 30.4028, 45.8018



36.8920, 30.4028, 34.0609



35.9358, 30.4028, 24.3129

# Triad

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



36.8920, 30.4028, 34.0609



25.6377, 30.4028, 17.6952



25.1118, 30.4028, 54.2352

# Complementary

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



36.8920, 30.4028, 34.0609



37.0655, 47.8537, 47.8428

# 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.



22.8431, 30.4028, 43.7924



36.8920, 30.4028, 34.0609



23.1273, 30.4028, 23.0001

# Square

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



36.8920, 30.4028, 34.0609



29.2293, 30.4028, 16.1937



22.1495, 30.4028, 32.1642



28.5671, 30.4028, 58.9456



# Rectangle

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



36.8920, 30.4028, 34.0609



34.1690, 30.4028, 19.8801



22.1495, 30.4028, 32.1642



24.1971, 30.4028, 51.1800

# Sweetspot

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



36.8929, 30.4042, 34.0615



84.8303, 83.7487, 92.5822



35.8747, 29.3793, 56.6035



17.8718, 17.4745, 19.3530



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.



36.8929, 30.4042, 34.0615



61.6005, 47.6302, 52.9584



36.7967, 32.8564, 25.8770



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2640



0.7829, 0.3960, 0.3798



# Inverse Universe

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



36.8929, 30.4042, 34.0615



61.6005, 47.6302, 52.9584



36.9981, 43.9752, 59.3616



10.7772, 10.6943, 11.8103



15.8204, 8.0777, 4.2640



0.7829, 0.3960, 0.3798



# Previews

## White Background



This preview shows how the XYZ color 36.8920, 30.4028, 34.0609 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

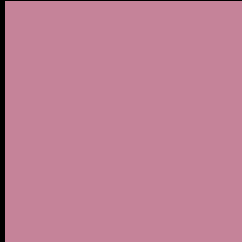
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.8920, 30.4028, 34.0609 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 ✓ Pass

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

**XYZ 36.8920, 30.4028, 34.0609**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.8920, 30.4028, 34.0609.



This preview shows how white text looks on a background with the XYZ color 36.8920, 30.4028,



# 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

36.8920, 30.4028, 34.0609

### Protanopia

29.8427, 30.5648, 39.4487

### Deuteranopia

30.9403, 30.3453, 33.0807



## Tritanopia

36.1104, 30.4940, 29.9693

# Trichromacy



## Original Color

36.8920, 30.4028, 34.0609

## Protanomaly

31.7440, 29.9911, 37.3735

## Deuteranomaly

32.8685, 30.2206, 33.3790

## Tritanomaly

36.2827, 30.3449, 31.5486

# Monochromacy



## Original Color

36.8920, 30.4028, 34.0609

## Achromatopsia

30.2779, 31.8547, 34.6897

## Achromatomaly

32.2374, 30.9857, 34.4187

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.8920, 30.4028, 34.0609 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(197, 131, 153)` looks like.

```
.text, #text, p{  
    color:rgb(197, 131, 153)  
}
```

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(197, 131, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 131, 153) }
```

## Border

The CSS property to change the border of an element to XYZ 36.8920, 30.4028, 34.0609 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(197, 131, 153) }
```



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

```
.border{ border-color:rgb(197, 131, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(197, 131, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 131, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 131, 153);  
box-shadow:4px 4px 4px 4px rgb(197, 131,  
153) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.8920, 30.4028, 34.0609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 131, 153) }
```

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

```
.background{ background-color: rgb(197,  
131, 153) }
```

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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