

# Converting Colors

XYZ(33.6145, 27.8723, 36.4091)

Have a look what the booklet for  
XYZ(33.6145, 27.8723, 36.4091)  
contains.

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# Color

**XYZ(33.6145, 27.8723,  
36.4091)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B87F9F
RGB	184, 127, 159
RGB Percent	72%, 50%, 62%
CMY	0.2784, 0.5019, 0.3765
CMYK	0.00, 0.31, 0.14, 0.28
HSL	326°, 29%, 61%
HSV	326°, 31%, 72%
XYZ	33.6145, 27.8723, 36.4091
YIQ	147.6910, 23.7000, 22.0360

# Conversions

## Conversions Part 2

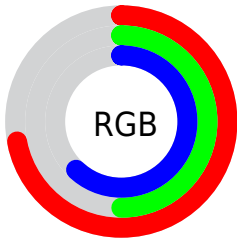
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 127, 159
Decimal	12091295
CIELab	59.77, 26.98, -8.17
CIELCh	60, 28.192, 343.144
Yxy	27.8723, 0.3434, 0.2847
Android (android.graphics.Color)	4290281375 (0xFFB87F9F)
YUV	147.6910, 5.5753, 31.8430
Hunter-Lab	52.7942, 21.2625, -3.9329

# Details

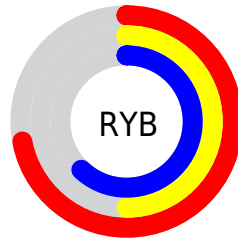
The XYZ color **33.6145, 27.8723, 36.4091** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **31.5615, 41.0607, 35.9696**, and the grayscale version is **27.9910, 29.4487, 32.0696**.

A 20% lighter version of the original color is **64.7345, 56.1983, 71.0538**, and **14.5666, 11.1363, 15.5691** is the 20% darker color. If you saturate the color by 10%, you get **30.7741, 23.2756, 32.1191**, and if you desaturate by 10%, it is **36.9363, 33.3578, 41.0858**.

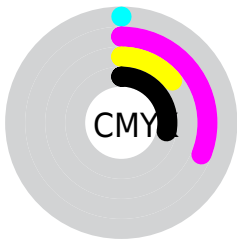
# Distribution



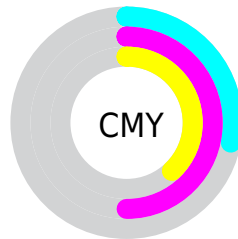
- Red (72%)
- Green (50%)
- Blue (62%)



- Red (72%)
- Yellow (50%)
- Blue (62%)



- Cyan (0%)
- Magenta (31%)
- Yellow (14%)
- Black (28%)



- Cyan (28%)
- Magenta (50%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6145, 27.8723, 36.4091 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 33.6145, 27.8723, 36.4091 by changing the saturation by 10% instead.



33.6145, 27.8723,  
36.4091

33.6145, 27.8723,  
36.4091

310.0259,  
291.8562, 345.8365

22.7591, 18.2294,  
24.4581

64.6820, 56.2805,  
70.8392

14.5354, 11.1148,  
15.4585

85.6248, 75.8146,  
94.1554

8.5782, 6.1441,  
8.9916

110.6608, 99.4146,  
122.0970

4.5220, 2.9329,  
4.6390

140.1554,  
127.4648, 155.0827

2.0015, 1.0968,  
1.9820

174.4738,  
160.3497, 193.5309

0.6348, 0.0000,  
0.5442

213.9814,

0.0000, 0.0000,

198.4536, 237.8603

0.0000

259.0437,  
242.1610, 288.4893

■ 33.6145, 27.8723,  
36.4091

■ 33.6145, 27.8723,  
36.4091

■ 30.7741, 23.2756,  
32.1191

■ 36.9363, 33.3578,  
41.0858

■ 28.3880, 19.5162,  
28.2016

■ 40.7596, 39.7722,  
46.1592

■ 26.4303, 16.5432,  
24.6439

■ 45.1066, 47.1580,  
51.6410

■ 24.8713, 14.2986,  
21.4315

■ 49.9971, 55.5537,  
57.5418

■ 23.6771, 12.7162,  
18.5485

■ 55.4500, 64.9960,  
63.8716

■ 22.8076, 11.7175,  
15.9767

■ 61.4833, 75.5193,  
70.6403

■ 22.2302, 11.1756,  
13.8948

■ 67.8568, 86.6422,  
77.7715

■ 68.9230, 87.0687,  
83.3862

■ 70.0412, 87.5160,  
89.2744

# Harmonies

## Analogous

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



31.4653, 27.8723, 47.0589



33.6145, 27.8723, 36.4091



33.7495, 27.8723, 26.0962

# Triad

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



33.6145, 27.8723, 36.4091



24.9622, 27.8723, 14.9548



21.7950, 27.8723, 45.8636

# Complementary

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



33.6145, 27.8723, 36.4091



31.5615, 41.0607, 35.9696

# 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.



20.3572, 27.8723, 35.0387



33.6145, 27.8723, 36.4091



22.0720, 27.8723, 18.1517

# Square

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



33.6145, 27.8723, 36.4091



28.5312, 27.8723, 15.1612



20.4538, 27.8723, 25.0003



24.5519, 27.8723, 53.3016



# Rectangle

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



33.6145, 27.8723, 36.4091



32.6609, 27.8723, 20.8239



20.4538, 27.8723, 25.0003



21.1529, 27.8723, 42.4073

# Sweetspot

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



33.6153, 27.8736, 36.4097



75.2541, 74.4080, 85.4338



29.1351, 25.2874, 48.6930



15.9890, 15.6448, 18.1167



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.



33.6153, 27.8736, 36.4097



57.4208, 44.8172, 60.7586



31.4407, 27.0037, 24.9584



9.2100, 9.0944, 10.4534



15.3569, 7.7165, 9.7661



0.5719, 0.2842, 0.5051



# Inverse Universe

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



33.6153, 27.8736, 36.4097



57.4208, 44.8172, 60.7586



34.1524, 42.0970, 49.6128



9.2100, 9.0944, 10.4534



15.3569, 7.7165, 9.7661

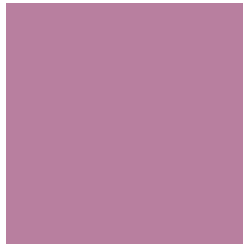


0.5719, 0.2842, 0.5051



# Previews

## White Background



This preview shows how the XYZ color 33.6145, 27.8723, 36.4091 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

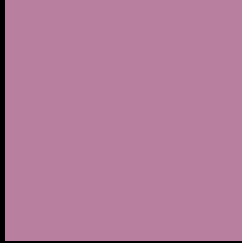
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.6145, 27.8723, 36.4091 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 33.6145, 27.8723, 36.4091**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.6145, 27.8723, 36.4091.



This preview shows how white text looks on a background with the XYZ color 33.6145, 27.8723,



# 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

33.6145, 27.8723, 36.4091

### Protanopia

27.6314, 27.9985, 41.4840

### Deuteranopia

28.6008, 27.9628, 35.7882



## Tritanopia

32.0077, 27.8038, 28.4906

# Trichromacy



## Original Color

33.6145, 27.8723, 36.4091

## Protanomaly

29.2548, 27.5765, 39.3782

## Deuteranomaly

30.1454, 27.6891, 36.1034

## Tritanomaly

32.6452, 27.8744, 31.2635

# Monochromacy



## Original Color

33.6145, 27.8723, 36.4091

## Achromatopsia

28.1479, 29.6138, 32.2495

## Achromatomaly

29.7435, 28.6002, 33.6585

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.6145, 27.8723, 36.4091 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(184, 127, 159)` looks like.

```
.text, #text, p{  
    color:rgb(184, 127, 159)  
}
```

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(184, 127, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 127, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 33.6145, 27.8723, 36.4091 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(184, 127, 159) }
```



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

```
.border{ border-color:rgb(184, 127, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 127, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 127, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 127, 159);  
box-shadow:4px 4px 4px 4px rgb(184, 127,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.6145, 27.8723, 36.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 127, 159) }
```

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

```
.background{ background-color: rgb(184,  
127, 159) }
```

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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