

# Converting Colors

XYZ(33.3259, 17.9609, 34.6821)

Have a look what the booklet for  
XYZ(33.3259, 17.9609, 34.6821)  
contains.

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# Color

**XYZ(33.2869, 17.9461,  
34.5104)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D02F9F
RGB	208, 47, 159
RGB Percent	82%, 18%, 62%
CMY	0.1843, 0.8156, 0.3765
CMYK	0.00, 0.77, 0.24, 0.18
HSL	318°, 63%, 50%
HSV	318°, 77%, 82%
XYZ	33.2869, 17.9461, 34.5104
YIQ	107.9070, 60.0040, 68.9640

# Conversions

## Conversions Part 2

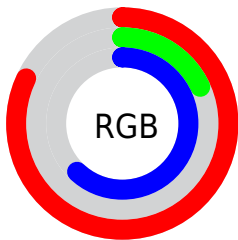
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	208, 47, 159
Decimal	13643679
CIE Lab	49.43, 70.41, -23.55
CIE LCh	49, 74.243, 341.506
Yxy	17.9461, 0.3882, 0.2093
Android (android.graphics.Color)	4291833759 (0xFFD02F9F)
YUV	107.9070, 25.1888, 87.7816
Hunter-Lab	42.3628, 66.1227, -18.6459

# Details

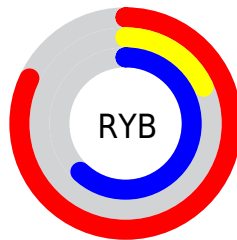
The XYZ color **33.2869, 17.9461, 34.5104** is a dark color, and the websafe version is hex **CC3399**. The color can be described as middle washed rose. A complement of this color would be **25.8405, 46.5612, 18.6942**, and the grayscale version is **14.1492, 14.8860, 16.2109**.

A 20% lighter version of the original color is **58.9535, 37.2669, 67.7044**, and **15.0483, 7.4511, 14.5550** is the 20% darker color. If you saturate the color by 10%, you get **32.1091, 16.4471, 31.4763**, and if you desaturate by 10%, it is **34.8899, 20.2500, 37.8253**.

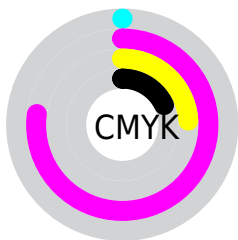
# Distribution



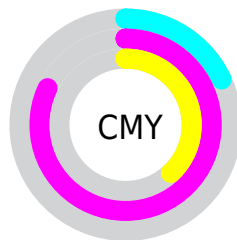
- Red (82%)
- Green (18%)
- Blue (62%)



- Red (82%)
- Yellow (18%)
- Blue (62%)



- Cyan (0%)
- Magenta (77%)
- Yellow (24%)
- Black (18%)




- Cyan (18%)
- Magenta (82%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2869, 17.9461, 34.5104 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 33.2869, 17.9461, 34.5104 by changing the saturation by 10% instead.




 33.2869, 17.9461,  
34.5104


 33.2869, 17.9461,  
34.5104


308.5827,  
240.5671, 337.2403


 22.5066, 10.9113,  
23.0054


 64.1749, 39.9455,  
67.8695

 14.3483, 6.0072,  
14.3922


 85.0133, 55.6788,  
90.5608


 8.4466, 2.8495,  
8.2521


 109.9351, 75.0805,  
117.8179

 4.4362, 1.0537,  
4.1666

 139.3056, 98.5348,  
150.0595

 1.9518, 0.0000,  
1.7172

 173.4903,  
126.4262, 187.7039

 0.6067, 0.0000,  
0.3725

212.8545,

 0.0000, 0.0000,

159.1392, 231.1699

0.0000

257.7635,  
197.0580, 280.8758

■ 33.2869, 17.9461,  
34.5104

■ 33.2869, 17.9461,  
34.5104

■ 32.1091, 16.4471,  
31.4763

■ 34.8899, 20.2500,  
37.8253

■ 31.2859, 15.6133,  
28.6972

■ 36.9665, 23.4557,  
41.4388

■ 31.0996, 15.4448,  
28.0057

■ 39.5602, 27.6491,  
45.3675

■ 42.7089, 32.9056,  
49.6259

■ 46.4468, 39.2930,  
54.2274

■ 50.8054, 46.8736,  
59.1843

■ 55.8138, 55.7049,  
64.5081

■ 61.4992, 65.8410,  
70.2097

■ 67.8872, 77.3325,  
76.2994

# Harmonies

## Analogous

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



27.6321, 17.9461, 65.0102



33.2869, 17.9461, 34.5104



33.9550, 17.9461, 12.8110

# Triad

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



33.2869, 17.9461, 34.5104



14.5089, 17.9461, 0.8721



8.8273, 17.9461, 57.8774

# Complementary

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



33.2869, 17.9461, 34.5104



25.8405, 46.5612, 18.6942

# 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.



6.9695, 17.9461, 28.2898



33.2869, 17.9461, 34.5104



9.5970, 17.9461, 2.5488

# Square

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



33.2869, 17.9461, 34.5104



21.6970, 17.9461, 1.0377



7.2061, 17.9461, 9.6796



13.1311, 17.9461, 83.7120



# Rectangle

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



33.2869, 17.9461, 34.5104



31.3127, 17.9461, 5.5183



7.2061, 17.9461, 9.6796



7.9571, 17.9461, 47.4296

# Sweetspot

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



33.2875, 17.9470, 34.5107



76.3668, 67.0211, 89.1462



17.1535, 9.0374, 60.5150



15.8263, 13.4460, 18.4782



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.



33.2875, 17.9470, 34.5107



49.9823, 25.0991, 46.9115



28.4483, 16.0114, 9.0281



12.1512, 11.9452, 14.0718



19.4277, 9.6439, 17.6903



1.1207, 0.5530, 1.1704



# Inverse Universe

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



33.2875, 17.9470, 34.5107



49.9823, 25.0991, 46.9115



31.5456, 48.8432, 48.7369



12.1512, 11.9452, 14.0718



19.4277, 9.6439, 17.6903



1.1207, 0.5530, 1.1704



# Previews

## White Background



This preview shows how the XYZ color 33.2869, 17.9461, 34.5104 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

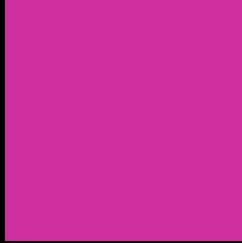
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.2869, 17.9461, 34.5104 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

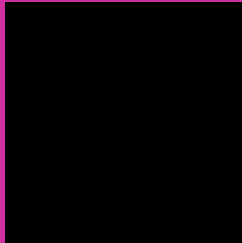
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 33.2869, 17.9461, 34.5104**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.2869, 17.9461, 34.5104.



This preview shows how white text looks on a background with the XYZ color 33.2869, 17.9461,



# 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

33.2869, 17.9461, 34.5104

### Protanopia

20.6869, 18.3927, 64.7472

### Deuteranopia

18.5605, 18.2035, 31.3895



## Tritanopia

27.9475, 17.8796, 9.3752

# Trichromacy



## Original Color

33.2869, 17.9461, 34.5104



## Protanomaly

21.1670, 15.2275, 52.2757



## Deuteranomaly

21.7036, 16.0780, 32.0964



## Tritanomaly

29.4420, 17.5869, 16.0302

# Monochromacy



## Original Color

33.2869, 17.9461, 34.5104



## Achromatopsia

14.2537, 14.9960, 16.3306



## Achromatomaly

18.6602, 14.1172, 21.8201

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.2869, 17.9461, 34.5104 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(208, 47, 159)` looks like.

```
.text, #text, p{  
    color:rgb(208, 47, 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(208, 47, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 47, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 33.2869, 17.9461, 34.5104 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(208, 47, 159) }
```



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

```
.border{ border-color:rgb(208, 47, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 47, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 47, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 47, 159);  
box-shadow:4px 4px 4px 4px rgb(208, 47,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.2869, 17.9461, 34.5104 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 47, 159) }
```

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

```
.background{ background-color: rgb(208, 47,  
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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