

# Converting Colors

XYZ(51.8737, 33.1157, 34.4897)

Have a look what the booklet for  
XYZ(51.8737, 33.1157, 34.4897)  
contains.

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# Color

**XYZ(51.9078, 33.1293,  
34.6691)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF669B
RGB	255, 102, 155
RGB Percent	100%, 40%, 61%
CMY	0.0000, 0.6000, 0.3922
CMYK	0.00, 0.60, 0.39, 0.00
HSL	339°, 100%, 70%
HSV	339°, 60%, 100%
XYZ	51.9078, 33.1293, 34.6691
YIQ	153.7890, 74.1750, 48.9190

# Conversions

## Conversions Part 2

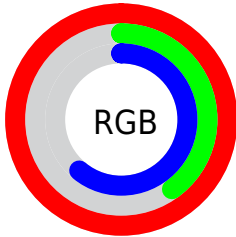
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 102, 155
Decimal	16737947
CIE <sub>Lab</sub>	64.27, 62.73, 1.82
CIE <sub>LCh</sub>	64, 62.751, 1.660
Yxy	33.1293, 0.4336, 0.2768
Android (android.graphics.Color)	4294928027 (0xFFFF669B)
YUV	153.7890, 0.5970, 88.7620
Hunter-Lab	57.5581, 60.2507, 4.5783

# Details

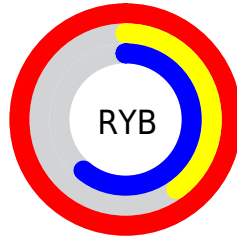
The XYZ color **51.9078, 33.1293, 34.6691** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **51.9021, 78.6099, 68.3198**, and the grayscale version is **30.5987, 32.1923, 35.0574**.

A 20% lighter version of the original color is **65.1468, 50.6597, 66.6663**, and **25.5398, 14.0547, 14.4634** is the 20% darker color. If you saturate the color by 10%, you get **48.4712, 28.3439, 27.0876**, and if you desaturate by 10%, it is **56.3098, 39.5363, 43.5263**.

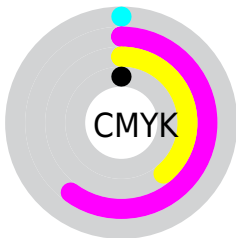
# Distribution



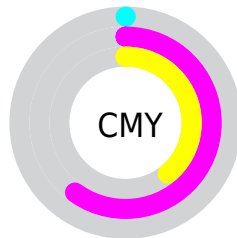
- Red (100%)
- Green (40%)
- Blue (61%)



- Red (100%)
- Yellow (40%)
- Blue (61%)



- Cyan (0%)
- Magenta (60%)
- Yellow (39%)
- Black (0%)




- Cyan (0%)
- Magenta (60%)
- Yellow (39%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 51.9078, 33.1293, 34.6691 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 51.9078, 33.1293, 34.6691 by changing the saturation by 10% instead.





 51.9078, 33.1293,  
34.6691


 51.9078, 33.1293,  
34.6691


384.4104,  
316.2320, 337.9651


 37.1556, 22.2255,  
23.1266


 92.1703, 64.5773,  
68.1186

 25.5022, 14.0227,  
14.4808

 118.4112, 85.8904,  
90.8626

 16.5823, 8.1365,  
8.3133


 149.2125,  
111.4420, 118.1776

 10.0306, 4.1824,  
4.2054

 184.9394,  
141.6165, 150.4820

 5.4817, 1.7761,  
1.7387

225.9572,  
176.7984, 188.1944

 2.5702, 0.4722,  
0.3871

272.6314,

 0.9308, 0.0000,

217.3720, 231.7334

0.0000

325.3274,  
263.7217, 281.5174

■ 0.0000, 0.0000,  
0.0000

■ 51.9078, 33.1293,  
34.6691

■ 51.9078, 33.1293,  
34.6691

■ 48.4712, 28.3439,  
27.0876

■ 56.3098, 39.5363,  
43.5263

■ 45.9164, 25.0253,  
20.7142

■ 61.7460, 47.6907,  
53.7178

■ 44.1483, 22.9971,  
15.4761

■ 68.2816, 57.7116,  
65.3002

■ 43.0153, 21.9703,  
11.2780

■ 75.9757, 69.7062,  
78.3264

■ 43.0149, 21.9700,  
11.2767

■ 84.8827, 83.7735,  
92.8458

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



49.1042, 33.1293, 64.7394



51.9078, 33.1293, 34.6691



48.4397, 33.1293, 15.9599

# Triad

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



51.9078, 33.1293, 34.6691



23.3242, 33.1293, 8.3515



24.0352, 33.1293, 98.7907

# Complementary

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



51.9078, 33.1293, 34.6691



51.9021, 78.6099, 68.3198

# 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.



19.0401, 33.1293, 68.4444



51.9078, 33.1293, 34.6691



18.6874, 33.1293, 17.4328

# Square

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



51.9078, 33.1293, 34.6691



30.9946, 33.1293, 5.8956



17.2792, 33.1293, 37.5126



31.9874, 33.1293, 110.7123



# Rectangle

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



51.9078, 33.1293, 34.6691



43.3576, 33.1293, 9.6499



17.2792, 33.1293, 37.5126



22.0109, 33.1293, 89.8714

# Sweetspot

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



51.9087, 33.1310, 34.6697



77.6554, 72.3462, 81.1044



47.0116, 29.2049, 97.7671



16.1009, 14.6674, 16.4973



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.



51.9087, 33.1310, 34.6697



47.8915, 27.5666, 25.7162



50.9669, 36.8759, 17.0042



18.2691, 18.0909, 20.0342



22.5394, 11.5050, 6.2247



2.2437, 1.1399, 0.8649



# Inverse Universe

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



51.9087, 33.1310, 34.6697



47.8915, 27.5666, 25.7162



52.4015, 67.7874, 104.9302



18.2691, 18.0909, 20.0342



22.5394, 11.5050, 6.2247



2.2437, 1.1399, 0.8649



# Previews

## White Background



This preview shows how the XYZ color 51.9078, 33.1293, 34.6691 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

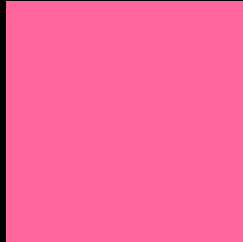
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 51.9078, 33.1293, 34.6691 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

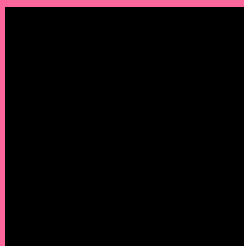
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 51.9078, 33.1293, 34.6691

## Background



This preview shows how black text looks on a background with the XYZ color 51.9078, 33.1293, 34.6691.



This preview shows how white text looks on a background with the XYZ color 51.9078, 33.1293,

34.6691.

# 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

51.9078, 33.1293, 34.6691

### Protanopia

33.0854, 33.4201, 51.7206

### Deuteranopia

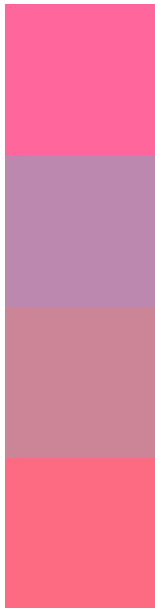
33.8675, 33.2700, 32.6537



## Tritanopia

48.9317, 33.1317, 20.6457

# Trichromacy



## Original Color

51.9078, 33.1293, 34.6691

## Protanomaly

37.2811, 31.3948, 44.6523

## Deuteranomaly

38.6020, 31.7059, 33.3635

## Tritanomaly

49.8624, 33.0367, 25.2214

# Monochromacy



## Original Color

51.9078, 33.1293, 34.6691

## Achromatopsia

30.7148, 32.3143, 35.1903

## Achromatomaly

35.9826, 30.7374, 34.6083

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 51.9078, 33.1293, 34.6691 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(255, 102, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 155)  
}
```

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(255, 102, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 155) }
```

## Border

The CSS property to change the border of an element to XYZ 51.9078, 33.1293, 34.6691 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(255, 102, 155) }
```



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

```
.border{ border-color:rgb(255, 102, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
155) }
```

# Background

The CSS property to change the background color of an element to XYZ 51.9078, 33.1293, 34.6691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 155) }
```

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

```
.background{ background-color: rgb(255,  
102, 155) }
```

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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