

# Converting Colors

XYZ(57.0267, 32.6658, 69.3660)

Have a look what the booklet for  
XYZ(57.0267, 32.6658, 69.3660)  
contains.

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# Color

**XYZ(57.0652, 32.6626,  
69.6265)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FF54DA
RGB	255, 84, 218
RGB Percent	100%, 33%, 85%
CMY	0.0000, 0.6706, 0.1451
CMYK	0.00, 0.67, 0.15, 0.00
HSL	313°, 100%, 66%
HSV	313°, 67%, 100%
XYZ	57.0652, 32.6626, 69.6265
YIQ	150.4050, 58.9020, 77.9260

# Conversions

## Conversions Part 2

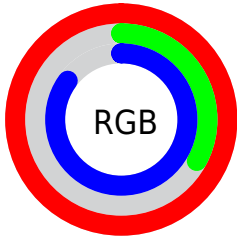
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	255, 84, 218
Decimal	16733402
CIE <sub>Lab</sub>	63.89, 77.47, -34.57
CIE <sub>LCh</sub>	64, 84.832, 335.951
Yxy	32.6626, 0.3581, 0.2050
Android (android.graphics.Color)	4294923482 (0xFFFF54DA)
YUV	150.4050, 33.3243, 91.7298
Hunter-Lab	57.1512, 78.2168, -32.2263

# Details

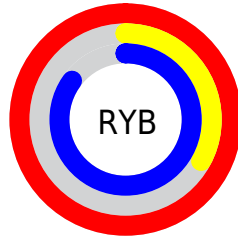
The XYZ color **57.0652, 32.6626, 69.6265** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light muted magenta. A complement of this color would be **42.8687, 74.7859, 30.2676**, and the grayscale version is **29.0083, 30.5190, 33.2352**.

A 20% lighter version of the original color is **69.4154, 48.7308, 100.3551**, and **28.8590, 14.1137, 35.8535** is the 20% darker color. If you saturate the color by 10%, you get **54.7235, 29.1156, 65.3427**, and if you desaturate by 10%, it is **60.1524, 37.6619, 74.2781**.

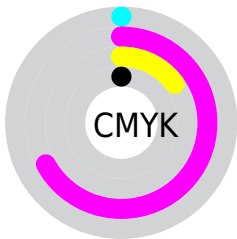
# Distribution



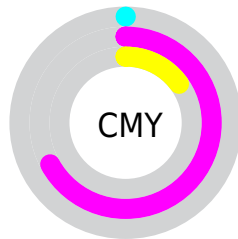
- Red (100%)
- Green (33%)
- Blue (85%)



- Red (100%)
- Yellow (33%)
- Blue (85%)



- Cyan (0%)
- Magenta (67%)
- Yellow (15%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.0652, 32.6626, 69.6265 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 57.0652, 32.6626, 69.6265 by changing the saturation by 10% instead.





 57.0652, 32.6626,  
69.6265


 57.0652, 32.6626,  
69.6265


403.7038,  
314.1266, 477.9911


 41.2979, 21.8681,  
50.7472

 99.6911, 63.8484,  
120.3521


 28.7407, 13.7600,  
35.6321


 127.2805, 85.0085,  
153.0354

 19.0280, 7.9539,  
23.8628


 159.5413,  
110.3926, 191.1572

 11.7946, 4.0655,  
15.0206

 196.8388,  
140.3851, 235.1359

 6.6752, 1.7103,  
8.6871

239.5385,  
175.3703, 285.3901

 3.3043, 0.4303,  
4.4436

288.0057,

 1.3167, 0.0000,

215.7327, 342.3384

1.8717

342.6056,  
261.8567, 406.3992

■ 0.1956, 0.0000,  
0.4747

■ 0.0000, 0.0000,  
0.0000

■ 57.0652, 32.6626,  
69.6265

■ 57.0652, 32.6626,  
69.6265

■ 54.7235, 29.1156,  
65.3427

■ 60.1524, 37.6619,  
74.2781

■ 53.0423, 26.8515,  
61.3963

■ 64.0531, 44.2496,  
79.3202

■ 51.9168, 25.6611,  
57.7514

■ 68.8302, 52.5509,  
84.7753

■ 51.6446, 25.4218,  
56.7198

■ 74.5396, 62.6772,  
90.6631

81.2325, 74.7305,  
97.0017

88.9563, 88.8054,  
103.8080

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.



46.5577, 32.6626, 119.6892



57.0652, 32.6626, 69.6265



59.9145, 32.6626, 29.1771

# Triad

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



57.0652, 32.6626, 69.6265



28.7263, 32.6626, 2.0680



15.9287, 32.6626, 89.7739

# Complementary

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



57.0652, 32.6626, 69.6265



42.8687, 74.7859, 30.2676

# 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.



13.3590, 32.6626, 42.8210



57.0652, 32.6626, 69.6265



19.4286, 32.6626, 4.4834

# Square

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



57.0652, 32.6626, 69.6265



41.3654, 32.6626, 2.9794



14.4523, 32.6626, 14.9441



22.6017, 32.6626, 135.6500



# Rectangle

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



57.0652, 32.6626, 69.6265



56.5836, 32.6626, 13.8624



14.4523, 32.6626, 14.9441



14.6464, 32.6626, 72.7659

# Sweetspot

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



57.0660, 32.6640, 69.6271



79.1566, 70.9752, 95.0873



28.7204, 17.4281, 96.4580



16.5363, 14.4589, 19.9695



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.



57.0660, 32.6640, 69.6271



54.1639, 28.3237, 64.1469



48.8058, 29.3600, 26.1296



18.6145, 18.2291, 21.8529



27.0431, 13.3065, 29.9410



2.6729, 1.3115, 3.1249



# Inverse Universe

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



57.0660, 32.6640, 69.6271



54.1639, 28.3237, 64.1469



50.2804, 77.7506, 69.2973



18.6145, 18.2291, 21.8529



27.0431, 13.3065, 29.9410



2.6729, 1.3115, 3.1249



# Previews

## White Background



This preview shows how the XYZ color 57.0652, 32.6626, 69.6265 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

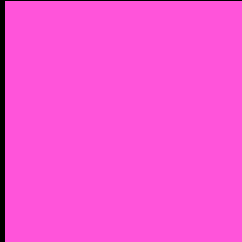
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.0652, 32.6626, 69.6265 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

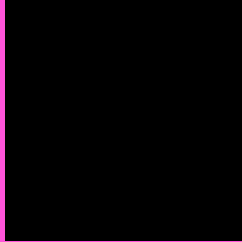
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.0652, 32.6626, 69.6265**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.0652, 32.6626, 69.6265.



This preview shows how white text looks on a background with the XYZ color 57.0652, 32.6626,



# 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

57.0652, 32.6626, 69.6265

### Protanopia

36.0883, 33.1872, 99.1115

### Deuteranopia

33.7609, 32.9993, 64.2646



## Tritanopia

46.8405, 32.3569, 21.5460

# Trichromacy



## Original Color

57.0652, 32.6626, 69.6265



## Protanomaly

39.1334, 29.5889, 87.6531



## Deuteranomaly

38.8942, 30.1369, 66.0544



## Tritanomaly

49.8190, 32.0428, 35.0116

# Monochromacy



## Original Color

57.0652, 32.6626, 69.6265



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

35.9378, 28.7082, 44.2046

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.0652, 32.6626, 69.6265 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, 84, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 84, 218)  
}
```

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, 84, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 84, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 57.0652, 32.6626, 69.6265 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, 84, 218) }
```



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

```
.border{ border-color:rgb(255, 84, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 84, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 84, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 84, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 84,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.0652, 32.6626, 69.6265 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 84, 218) }
```

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

```
.background{ background-color: rgb(255, 84,  
218) }
```

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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