

# Converting Colors

XYZ(53.5375, 26.9051, 70.6399)

Have a look what the booklet for  
XYZ(53.5375, 26.9051, 70.6399)  
contains.

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# Color

**XYZ(53.7399, 27.0036,  
70.7864)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC21DD
RGB	252, 33, 221
RGB Percent	99%, 13%, 87%
CMY	0.0118, 0.8705, 0.1333
CMYK	0.00, 0.87, 0.12, 0.01
HSL	308°, 97%, 56%
HSV	308°, 87%, 99%
XYZ	53.7399, 27.0036, 70.7864
YIQ	119.9130, 70.1760, 104.8960

# Conversions

## Conversions Part 2

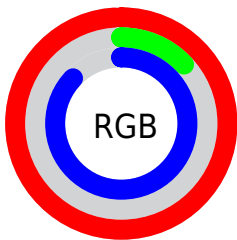
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 33, 221
Decimal	16523741
CIE <sub>Lab</sub>	58.98, 90.27, -43.99
CIE <sub>LCh</sub>	59, 100.417, 334.021
Yxy	27.0036, 0.3546, 0.1782
Android (android.graphics.Color)	4294713821 (0xFFFC21DD)
YUV	119.9130, 49.8359, 115.8403
Hunter-Lab	51.9650, 93.6581, -44.3890

# Details

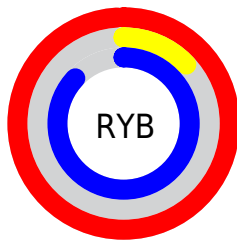
The XYZ color **53.7399, 27.0036, 70.7864** is a light color, and the websafe version is hex **FF00CC**. The color can be described as light washed magenta. A complement of this color would be **36.3646, 70.3156, 16.5092**, and the grayscale version is **17.6587, 18.5783, 20.2317**.

A 20% lighter version of the original color is **65.0842, 40.0683, 98.9114**, and **28.2774, 13.7930, 36.7692** is the 20% darker color. If you saturate the color by 10%, you get **52.8109, 25.8977, 68.1565**, and if you desaturate by 10%, it is **55.2012, 29.1567, 73.6439**.

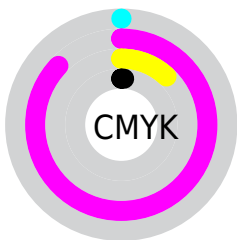
# Distribution



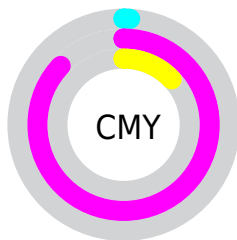
- Red (99%)
- Green (13%)
- Blue (87%)



- Red (99%)
- Yellow (13%)
- Blue (87%)



- Cyan (0%)
- Magenta (87%)
- Yellow (12%)
- Black (1%)




- Cyan (1%)
- Magenta (87%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.7399, 27.0036, 70.7864 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 53.7399, 27.0036, 70.7864 by changing the saturation by 10% instead.





 53.7399, 27.0036,  
70.7864

 53.7399, 27.0036,  
70.7864


391.3319,  
287.6746, 482.1699


 38.6236, 17.5759,  
51.6871


 94.8514, 54.8896,  
122.0211


 26.6464, 10.6460,  
36.3752


 121.5773, 74.1168,  
154.9937


 17.4431, 5.8293,  
24.4322


 152.9037, 97.3792,  
193.4278

 10.6482, 2.7416,  
15.4393

 189.1961,  
125.0614, 237.7419

 5.8963, 0.9983,  
8.9783

 230.8197,  
157.5476, 288.3547

 2.8222, 0.0000,  
4.6304

278.1400,

 1.0604, 0.0000,

195.2222, 345.6846

1.9772

331.5223,  
238.4698, 410.1501

■ 0.0000, 0.0000,  
0.5412

■ 0.0000, 0.0000,  
0.0000

■ 53.7399, 27.0036,  
70.7864

■ 53.7399, 27.0036,  
70.7864

■ 52.8109, 25.8977,  
68.1565

■ 55.2012, 29.1567,  
73.6439

■ 52.5821, 25.6704,  
67.3703

■ 57.2932, 32.5556,  
76.7616

■ 60.0968, 37.3614,  
80.1669

■ 63.6801, 43.7100,  
83.8829

68.1030, 51.7214,  
87.9298

73.4196, 61.5036,  
92.3258

79.6795, 73.1555,  
97.0880

86.9285, 86.7687,  
102.2317

93.6521, 99.3144,  
107.2524

# Harmonies

## Analogous

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



41.5138, 27.0036, 130.6013



53.7399, 27.0036, 70.7864



57.6931, 27.0036, 24.8543

# Triad

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



53.7399, 27.0036, 70.7864



24.0246, 27.0036, 0.1060



10.5050, 27.0036, 86.8133

# Complementary

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



53.7399, 27.0036, 70.7864



36.3646, 70.3156, 16.5092

# 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.



8.4334, 27.0036, 34.4739



53.7399, 27.0036, 70.7864



14.4725, 27.0036, 1.3285

# Square

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



53.7399, 27.0036, 70.7864



37.6370, 27.0036, 0.7981



9.6070, 27.0036, 8.4430



16.5479, 27.0036, 144.0202



# Rectangle

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



53.7399, 27.0036, 70.7864



54.3072, 27.0036, 9.4004



9.6070, 27.0036, 8.4430



9.4287, 27.0036, 67.0439

# Sweetspot

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



53.7409, 27.0049, 70.7869



75.9485, 64.1564, 95.2590



20.1155, 9.1483, 92.8020



15.8217, 12.9286, 20.0429



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.



53.7409, 27.0049, 70.7869



54.0130, 26.3692, 69.1919



43.6880, 22.9838, 17.8490



17.8812, 17.4798, 21.2299



27.4323, 13.3886, 35.3144



2.5688, 1.2513, 3.4186



# Inverse Universe

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



53.7409, 27.0049, 70.7869



54.0130, 26.3692, 69.1919



42.8570, 72.9125, 50.6976



17.8812, 17.4798, 21.2299



27.4323, 13.3886, 35.3144



2.5688, 1.2513, 3.4186



# Previews

## White Background



This preview shows how the XYZ color 53.7399, 27.0036, 70.7864 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

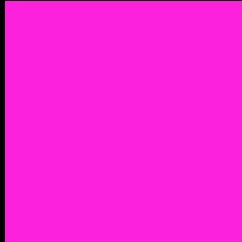
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.7399, 27.0036, 70.7864 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 53.7399, 27.0036, 70.7864**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.7399, 27.0036, 70.7864.



This preview shows how white text looks on a background with the XYZ color 53.7399, 27.0036,



# 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

53.7399, 27.0036, 70.7864

### Protanopia

31.0289, 27.6165, 98.3029

### Deuteranopia

27.9803, 27.2487, 63.4593



## Tritanopia

41.7876, 26.8520, 14.0468

# Trichromacy



## Original Color

53.7399, 27.0036, 70.7864



## Protanomaly

32.5889, 21.6964, 87.2642



## Deuteranomaly

32.2787, 22.3062, 65.5550



## Tritanomaly

44.3061, 25.5365, 27.7931

# Monochromacy



## Original Color

53.7399, 27.0036, 70.7864



## Achromatopsia

17.8524, 18.7821, 20.4537



## Achromatomaly

25.7240, 17.7386, 33.9664

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.7399, 27.0036, 70.7864 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(252, 33, 221)` looks like.

```
.text, #text, p{  
    color:rgb(252, 33, 221)  
}
```

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(252, 33, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 33, 221) }
```

## Border

The CSS property to change the border of an element to XYZ 53.7399, 27.0036, 70.7864 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(252, 33, 221) }
```



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

```
.border{ border-color:rgb(252, 33, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 33, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 33, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 33, 221);  
box-shadow:4px 4px 4px 4px rgb(252, 33,  
221) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.7399, 27.0036, 70.7864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 33, 221) }
```

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

```
.background{ background-color: rgb(252, 33,  
221) }
```

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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