

# Converting Colors

XYZ(54.5990, 31.6831, 72.3450)

Have a look what the booklet for  
XYZ(54.5990, 31.6831, 72.3450)  
contains.

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# Color

**XYZ(54.5990, 31.6831,  
72.3450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F657DE
RGB	246, 87, 222
RGB Percent	96%, 34%, 87%
CMY	0.0353, 0.6588, 0.1294
CMYK	0.00, 0.65, 0.10, 0.04
HSL	309°, 90%, 65%
HSV	309°, 65%, 96%
XYZ	54.5990, 31.6831, 72.3450
YIQ	149.9310, 51.4290, 75.6930

# Conversions

## Conversions Part 2

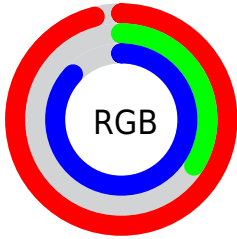
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	246, 87, 222
Decimal	16144350
CIE <sub>Lab</sub>	63.08, 74.78, -38.18
CIE <sub>LCh</sub>	63, 83.960, 332.955
Yxy	31.6831, 0.3442, 0.1997
Android (android.graphics.Color)	4294334430 (0xFFFF657DE)
YUV	149.9310, 35.5300, 84.2525
Hunter-Lab	56.2877, 74.6411, -36.8023

# Details

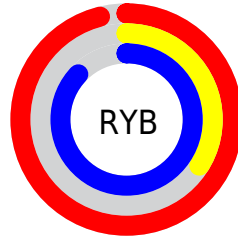
The XYZ color **54.5990, 31.6831, 72.3450** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **39.7570, 69.0866, 26.2809**, and the grayscale version is **28.8006, 30.3005, 32.9972**.

A 20% lighter version of the original color is **69.5689, 49.0378, 100.4063**, and **27.1326, 13.1923, 37.1927** is the 20% darker color. If you saturate the color by 10%, you get **52.4438, 28.1598, 69.1981**, and if you desaturate by 10%, it is **57.4456, 36.5703, 75.7770**.

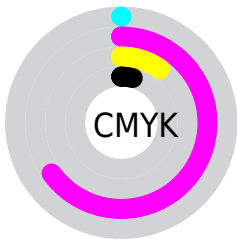
# Distribution



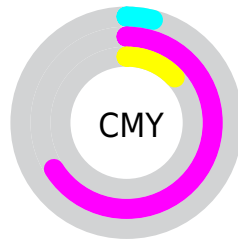
- Red (96%)
- Green (34%)
- Blue (87%)



- Red (96%)
- Yellow (34%)
- Blue (87%)



- Cyan (0%)
- Magenta (65%)
- Yellow (10%)
- Black (4%)




- Cyan (4%)
- Magenta (66%)
- Yellow (13%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5990, 31.6831, 72.3450 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 54.5990, 31.6831, 72.3450 by changing the saturation by 10% instead.





 54.5990, 31.6831,  
72.3450

 54.5990, 31.6831,  
72.3450

394.5513,  
309.6731, 487.7513


 39.3133, 21.1196,  
52.9520

 96.1049, 62.3140,  
124.2592


 27.1854, 13.2114,  
37.3770


 123.0559, 83.1501,  
157.6174

 17.8498, 7.5743,  
25.2014


 154.6260,  
108.1792, 196.4679

 10.9412, 3.8238,  
16.0068

 191.1806,  
137.7856, 241.2290

 6.0943, 1.5755,  
9.3746

233.0851,  
172.3539, 292.3193

 2.9437, 0.3410,  
4.8862

280.7048,

 1.1241, 0.0000,

212.2683, 350.1575

2.1231

334.4051,  
257.9132, 415.1620

■ 0.0451, 0.0000,  
0.6294

■ 0.0000, 0.0000,  
0.0000

■ 54.5990, 31.6831,  
72.3450

■ 54.5990, 31.6831,  
72.3450

■ 52.4438, 28.1598,  
69.1981

■ 57.4456, 36.5703,  
75.7770

■ 50.9044, 25.8514,  
66.3100


■ 61.0425, 42.9410,  
79.5132

■ 49.8933, 24.5823,  
63.6514


■ 65.4459, 50.9070,  
83.5730


■ 49.4985, 24.1899,  
62.2952


■ 70.7056, 60.5679,  
87.9734

 76.8677, 72.0154,  
92.7300

 83.9746, 85.3344,  
97.8573

 90.7088, 97.8900,  
102.9164

 91.2908, 98.1228,  
105.9812

 91.8164, 98.3330,  
108.7487

# Harmonies

## Analogous

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



43.9132, 31.6831, 120.3627



54.5990, 31.6831, 72.3450



58.2516, 31.6831, 31.3151

# Triad

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



54.5990, 31.6831, 72.3450



28.9811, 31.6831, 1.9691



15.0351, 31.6831, 82.0750

# Complementary

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



54.5990, 31.6831, 72.3450



39.7570, 69.0866, 26.2809

# 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.



12.9092, 31.6831, 37.8885



54.5990, 31.6831, 72.3450



19.5584, 31.6831, 3.8942

# Square

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



54.5990, 31.6831, 72.3450



41.4072, 31.6831, 3.1761



14.3246, 31.6831, 12.8766



21.0868, 31.6831, 128.0802



# Rectangle

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



54.5990, 31.6831, 72.3450



55.6029, 31.6831, 15.1337



14.3246, 31.6831, 12.8766



13.9195, 31.6831, 65.8000

# Sweetspot

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



54.6001, 31.6846, 72.3456



80.3386, 72.4258, 98.2973



26.5811, 16.8418, 89.0394



16.7909, 14.7506, 20.7251



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.



54.6001, 31.6846, 72.3456



56.2463, 29.5330, 73.9526



46.3471, 28.3834, 28.8857



17.0998, 16.7228, 20.2721



26.4620, 12.9283, 33.4711



2.3543, 1.1477, 3.0921



# Inverse Universe

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



54.6001, 31.6846, 72.3456



56.2463, 29.5330, 73.9526



46.2202, 71.6719, 60.3160



17.0998, 16.7228, 20.2721



26.4620, 12.9283, 33.4711



2.3543, 1.1477, 3.0921



# Previews

## White Background



This preview shows how the XYZ color 54.5990, 31.6831, 72.3450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

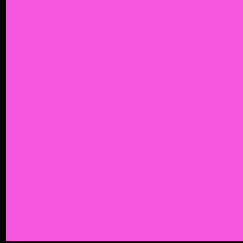
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5990, 31.6831, 72.3450 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

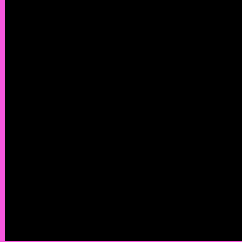
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.5990, 31.6831, 72.3450**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5990, 31.6831, 72.3450.



This preview shows how white text looks on a background with the XYZ color 54.5990, 31.6831,



# 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

54.5990, 31.6831, 72.3450

### Protanopia

35.2630, 32.2839, 98.9806

### Deuteranopia

32.6231, 31.8732, 66.7201



## Tritanopia

44.2980, 31.5244, 22.4889

# Trichromacy



## Original Color

54.5990, 31.6831, 72.3450



## Protanomaly

38.0651, 29.0207, 88.3893



## Deuteranomaly

37.5694, 29.3949, 68.6594



## Tritanomaly

47.2448, 31.1316, 36.3198

# Monochromacy



## Original Color

54.5990, 31.6831, 72.3450



## Achromatopsia

28.9890, 30.4987, 33.2131



## Achromatomaly

35.4334, 28.6276, 44.7324

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5990, 31.6831, 72.3450 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(246, 87, 222)` looks like.

```
.text, #text, p{  
    color:rgb(246, 87, 222)  
}
```

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(246, 87, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 87, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5990, 31.6831, 72.3450 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(246, 87, 222) }
```



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

```
.border{ border-color:rgb(246, 87, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 87, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 87, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 87, 222);  
box-shadow:4px 4px 4px 4px rgb(246, 87,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5990, 31.6831, 72.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 87, 222) }
```

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

```
.background{ background-color: rgb(246, 87,  
222) }
```

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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