

# Converting Colors

XYZ(57.2182, 30.8058, 97.5381)

Have a look what the booklet for  
XYZ(57.2182, 30.8058, 97.5381)  
contains.

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# Color

**XYZ(57.3295, 30.9094,  
97.5523)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F348FF
RGB	243, 72, 255
RGB Percent	95%, 28%, 100%
CMY	0.0471, 0.7176, 0.0000
CMYK	0.05, 0.72, 0.00, 0.00
HSL	296°, 100%, 64%
HSV	296°, 72%, 100%
XYZ	57.3295, 30.9094, 97.5523
YIQ	143.9910, 43.1730, 93.1650

# Conversions

## Conversions Part 2

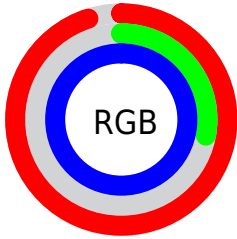
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	243, 72, 255
Decimal	15943935
CIE <sub>Lab</sub>	62.43, 84.39, -57.58
CIE <sub>LCh</sub>	62, 102.165, 325.694
Yxy	30.9094, 0.3086, 0.1664
Android (android.graphics.Color)	4294134015 (0xFFFF348FF)
YUV	143.9910, 54.7274, 86.8309
Hunter-Lab	55.5962, 86.7716, -65.1163

# Details

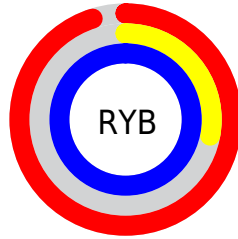
The XYZ color **57.3295, 30.9094, 97.5523** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **40.5866, 73.8731, 18.2520**, and the grayscale version is **26.2820, 27.6507, 30.1117**.

A 20% lighter version of the original color is **67.9540, 45.8079, 99.8680**, and **29.6065, 14.0985, 53.9842** is the 20% darker color. If you saturate the color by 10%, you get **55.4353, 27.9728, 97.0853**, and if you desaturate by 10%, it is **59.9142, 35.2174, 98.2475**.

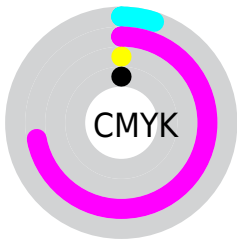
# Distribution



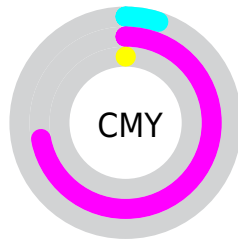
- Red (95%)
- Green (28%)
- Blue (100%)



- Red (95%)
- Yellow (28%)
- Blue (100%)



- Cyan (5%)
- Magenta (72%)
- Yellow (0%)
- Black (0%)




- Cyan (5%)
- Magenta (72%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 57.3295, 30.9094, 97.5523 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 57.3295, 30.9094, 97.5523 by changing the saturation by 10% instead.




 57.3295, 30.9094,  
97.5523


 57.3295, 30.9094,  
97.5523


404.6771,  
306.1207, 573.4958

 41.5110, 20.5299,  
73.6525

 100.0744, 61.0974,  
159.8118


 28.9080, 12.7808,  
54.0146


 127.7315, 81.6747,  
199.0086

 19.1552, 7.2778,  
38.2201


 160.0656,  
106.4200, 244.1415

 11.8871, 3.6364,  
25.8504

 197.4419,  
135.7177, 295.6289

 6.7385, 1.4723,  
16.4870

240.2259,  
169.9522, 353.8896

 3.3440, 0.2691,  
9.7113

288.7828,

 1.3382, 0.0000,

209.5080, 419.3419

5.1049

343.4781,  
254.7693, 492.4044

■ 0.2115, 0.0000,  
2.2491

■ 0.0000, 0.0000,  
0.7025

■ 57.3295, 30.9094,  
97.5523

■ 57.3295, 30.9094,  
97.5523

■ 55.4353, 27.9728,  
97.0853

■ 59.9142, 35.2174,  
98.2475

■ 54.1375, 26.2221,  
96.8157

■ 63.2613, 41.0432,  
99.1956

■ 53.4042, 25.4457,  
96.7045

■ 67.4374, 48.5191,  
100.4185

■ 72.5007, 57.7618,  
101.9357

78.5045, 68.8773,  
103.7648

85.4975, 81.9635,  
105.9221

93.5253, 97.1114,  
108.4228

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.



42.5058, 30.9094, 159.8102



57.3295, 30.9094, 97.5523



64.7461, 30.9094, 39.7129

# Triad

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



57.3295, 30.9094, 97.5523



31.4238, 30.9094, 0.4029



11.3200, 30.9094, 78.7448

# Complementary

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



57.3295, 30.9094, 97.5523



40.5866, 73.8731, 18.2520

# 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.



10.0185, 30.9094, 28.2469



57.3295, 30.9094, 97.5523



19.2773, 30.9094, 1.0945

# Square

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



57.3295, 30.9094, 97.5523



47.0921, 30.9094, 1.7878



12.4122, 30.9094, 6.3711



16.7785, 30.9094, 144.1711



# Rectangle

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



57.3295, 30.9094, 97.5523



63.2041, 30.9094, 16.9505



12.4122, 30.9094, 6.3711



10.4732, 30.9094, 58.7938

# Sweetspot

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



57.3306, 30.9107, 97.5525



78.3501, 68.5899, 103.7174



23.9095, 14.9709, 96.2372



16.4025, 13.9978, 22.0873



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.



57.3306, 30.9107, 97.5525



54.8183, 27.0979, 96.9489



51.3650, 29.0186, 43.8145



18.6681, 18.2362, 22.7860



27.9551, 13.3218, 50.5326



2.7559, 1.3146, 4.9218



# Inverse Universe

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



45.1583, 26.5359, 11.1305



42.4393, 22.7346, 5.1780



44.0437, 75.1423, 41.5905



18.0577, 18.0064, 18.9208



21.6185, 11.1367, 1.3756



2.1210, 1.0908, 0.2188



# Previews

## White Background



This preview shows how the XYZ color 57.3295, 30.9094, 97.5523 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

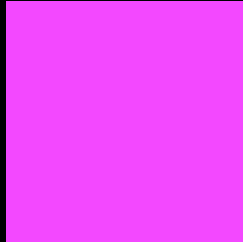
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 57.3295, 30.9094, 97.5523 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

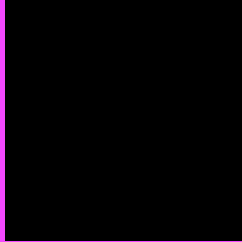
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 57.3295, 30.9094, 97.5523**

## **Background**



This preview shows how black text looks on a background with the XYZ color 57.3295, 30.9094, 97.5523.



This preview shows how white text looks on a background with the XYZ color 57.3295, 30.9094,

97.5523.

# 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

57.3295, 30.9094, 97.5523

### Protanopia

34.2334, 31.2834, 98.8417

### Deuteranopia

32.1306, 31.1407, 88.3217



## Tritanopia

41.7415, 30.5341, 23.0957

# Trichromacy



## Original Color

57.3295, 30.9094, 97.5523



## Protanomaly

38.0929, 27.5230, 97.9125



## Deuteranomaly

36.5105, 27.2138, 91.3242



## Tritanomaly

45.7043, 29.6096, 42.3361

# Monochromacy



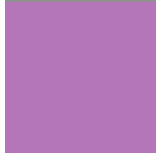
## Original Color

57.3295, 30.9094, 97.5523



## Achromatopsia

26.5089, 27.8894, 30.3716



## Achromatomaly

33.9526, 26.1209, 48.5997

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 57.3295, 30.9094, 97.5523 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(243, 72, 255)` looks like.

```
.text, #text, p{  
  color:rgb(243, 72, 255)  
}
```

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(243, 72, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 72, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 57.3295, 30.9094, 97.5523 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(243, 72, 255) }
```



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

```
.border{ border-color:rgb(243, 72, 255) }
```

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

Here you see how a box with a 4 pixel rgb(243, 72, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 72, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 72, 255);  
box-shadow:4px 4px 4px 4px rgb(243, 72,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 57.3295, 30.9094, 97.5523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 72, 255) }
```

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

```
.background{ background-color: rgb(243, 72,  
255) }
```

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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