

# Converting Colors

XYZ(54.4811, 28.4590, 65.7982)

Have a look what the booklet for  
XYZ(54.4811, 28.4590, 65.7982)  
contains.

<b>XYZ(54.4341, 28.4317, 65.5697)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(54.4341, 28.4317,  
65.5697)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33D5
RGB	255, 51, 213
RGB Percent	100%, 20%, 84%
CMY	0.0000, 0.7999, 0.1647
CMYK	0.00, 0.80, 0.16, 0.00
HSL	312°, 100%, 60%
HSV	312°, 80%, 100%
XYZ	54.4341, 28.4317, 65.5697
YIQ	130.4640, 69.5820, 93.6300

# Conversions

## Conversions Part 2

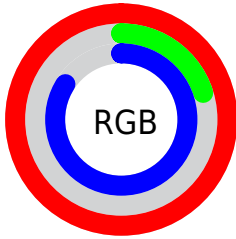
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 51, 213
Decimal	16724949
CIE Lab	60.28, 86.44, -37.38
CIE LCh	60, 94.180, 336.615
Yxy	28.4317, 0.3667, 0.1915
Android (android.graphics.Color)	4294915029 (0xFFFF33D5)
YUV	130.4640, 40.6902, 109.2181
Hunter-Lab	53.3214, 88.9125, -35.5844

# Details

The XYZ color **54.4341, 28.4317, 65.5697** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **39.1023, 73.0147, 22.3913**, and the grayscale version is **21.2277, 22.3332, 24.3209**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **28.4197, 13.9380, 33.5402** is the 20% darker color. If you saturate the color by 10%, you get **52.9532, 26.5192, 61.8413**, and if you desaturate by 10%, it is **56.5477, 31.5750, 69.6161**.

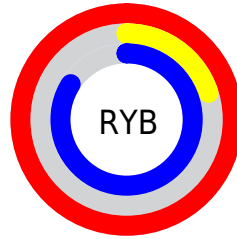
# Distribution



Red (100%)

Green (20%)

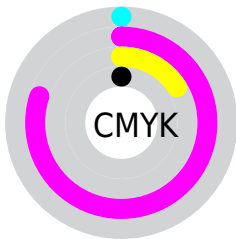
Blue (84%)



Red (100%)

Yellow (20%)

Blue (84%)

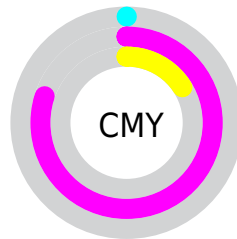


Cyan (0%)

Magenta (80%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.4341, 28.4317, 65.5697 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 54.4341, 28.4317, 65.5697 by changing the saturation by 10% instead.




 54.4341, 28.4317,  
65.5697

 54.4341, 28.4317,  
65.5697


393.9346,  
294.5240, 463.1985


 39.1809, 18.6513,  
47.4689


 95.8645, 57.1729,  
114.4896


 27.0818, 11.4186,  
33.0495


 122.7724, 76.9026,  
146.1458


 17.7716, 6.3491,  
21.8929


 154.2958,  
100.7175, 183.1576

 10.8848, 3.0585,  
13.5807

 190.8003,  
129.0020, 225.9434

 6.0562, 1.1624,  
7.6942

 232.6510,  
162.1405, 274.9219

 2.9202, 0.0306,  
3.8150

280.2134,

 1.1117, 0.0000,

200.5174, 330.5116

1.5244

333.8528,  
244.5171, 393.1309

■ 0.0349, 0.0000,  
0.2360

■ 0.0000, 0.0000,  
0.0000

■ 54.4341, 28.4317,  
65.5697

■ 54.4341, 28.4317,  
65.5697

■ 52.9532, 26.5192,  
61.8413

■ 56.5477, 31.5750,  
69.6161

■ 51.9601, 25.5483,  
58.3807

■ 59.3797, 36.1202,  
74.0090

■ 51.9596, 25.5479,  
58.3789

■ 63.0040, 42.2150,  
78.7745

■ 67.4850, 49.9875,  
83.9348

72.8800, 59.5524,  
89.5102

79.2416, 71.0144,  
95.5190

86.6181, 84.4698,  
101.9782

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.



43.3754, 28.4317, 120.9066



54.4341, 28.4317, 65.5697



57.2783, 28.4317, 23.9107

# Triad

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



54.4341, 28.4317, 65.5697



24.4357, 28.4317, 0.7252



12.3407, 28.4317, 89.9801

# Complementary

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



54.4341, 28.4317, 65.5697



39.1023, 73.0147, 22.3913

# 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.



9.8966, 28.4317, 39.2679



54.4341, 28.4317, 65.5697



15.4043, 28.4317, 2.3796

# Square

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



54.4341, 28.4317, 65.5697



37.3286, 28.4317, 1.2459



10.8213, 28.4317, 11.3517



18.8143, 28.4317, 140.9194



# Rectangle

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



54.4341, 28.4317, 65.5697



53.5567, 28.4317, 9.6989



10.8213, 28.4317, 11.3517



11.1246, 28.4317, 71.3333

# Sweetspot

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



54.4347, 28.4330, 65.5702



76.5744, 66.1894, 93.0591



23.6292, 11.8544, 95.6505



15.9110, 13.3051, 19.4629



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.



54.4347, 28.4330, 65.5702



52.3216, 25.8698, 59.7388



45.3607, 24.8034, 17.7872



18.6230, 18.2325, 21.8978



27.2059, 13.3716, 30.7983



2.6874, 1.3173, 3.2013



# Inverse Universe

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



54.4347, 28.4330, 65.5702



52.3216, 25.8698, 59.7388



46.8415, 76.1104, 63.1456



18.6230, 18.2325, 21.8978



27.2059, 13.3716, 30.7983



2.6874, 1.3173, 3.2013



# Previews

## White Background



This preview shows how the XYZ color 54.4341, 28.4317, 65.5697 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

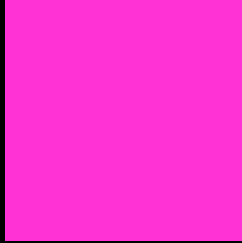
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.4341, 28.4317, 65.5697 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

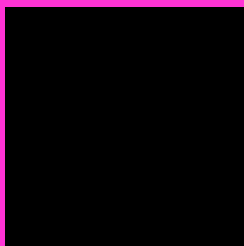
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 54.4341, 28.4317, 65.5697**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.4341, 28.4317, 65.5697.



This preview shows how white text looks on a background with the XYZ color 54.4341, 28.4317,



# 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

54.4341, 28.4317, 65.5697

### Protanopia

32.2372, 28.8932, 98.4856

### Deuteranopia

29.4180, 28.7528, 59.2577



## Tritanopia

43.9591, 28.3380, 15.2095

# Trichromacy



## Original Color

54.4341, 28.4317, 65.5697



## Protanomaly

34.1457, 23.9039, 85.2523



## Deuteranomaly

34.0509, 24.5583, 60.7032



## Tritanomaly

46.5990, 27.5116, 28.0535

# Monochromacy



## Original Color

54.4341, 28.4317, 65.5697



## Achromatopsia

21.2178, 22.3228, 24.3095



## Achromatomaly

28.6780, 20.9594, 35.7918

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.4341, 28.4317, 65.5697 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, 51, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 213)  
}
```

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, 51, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 54.4341, 28.4317, 65.5697 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, 51, 213) }
```



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

```
.border{ border-color:rgb(255, 51, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 51, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
213) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.4341, 28.4317, 65.5697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 213) }
```

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

```
.background{ background-color: rgb(255, 51,  
213) }
```

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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