

# Converting Colors

XYZ(52.7698, 28.5857, 54.2790)

Have a look what the booklet for  
XYZ(52.7698, 28.5857, 54.2790)  
contains.

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# Color

**XYZ(52.8130, 28.6454,  
54.3753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF3EC3
RGB	255, 62, 195
RGB Percent	100%, 24%, 76%
CMY	0.0000, 0.7568, 0.2353
CMYK	0.00, 0.76, 0.24, 0.00
HSL	319°, 100%, 62%
HSV	319°, 76%, 100%
XYZ	52.8130, 28.6454, 54.3753
YIQ	134.8690, 72.3350, 82.2790

# Conversions

## Conversions Part 2

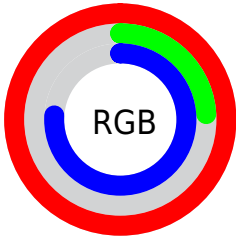
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 62, 195
Decimal	16727747
CIE Lab	60.47, 81.46, -26.84
CIE LCh	60, 85.765, 341.766
Yxy	28.6454, 0.3888, 0.2109
Android (android.graphics.Color)	4294917827 (0xFFFF3EC3)
YUV	134.8690, 29.6446, 105.3549
Hunter-Lab	53.5214, 82.4750, -22.7710

# Details

The XYZ color **52.8130, 28.6454, 54.3753** 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 **41.2610, 73.9500, 30.5154**, and the grayscale version is **22.8577, 24.0480, 26.1883**.

A 20% lighter version of the original color is **66.4001, 43.4670, 96.9858**, and **27.0559, 13.3924, 26.3583** is the 20% darker color. If you saturate the color by 10%, you get **50.8639, 26.1440, 49.4199**, and if you desaturate by 10%, it is **55.4608, 32.4681, 59.7990**.

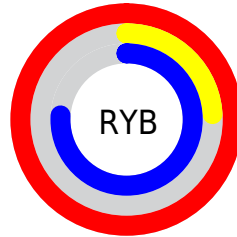
# Distribution



Red (100%)

Green (24%)

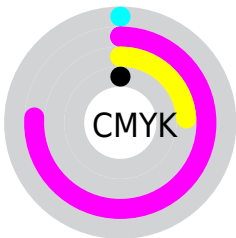
Blue (76%)



Red (100%)

Yellow (24%)

Blue (76%)

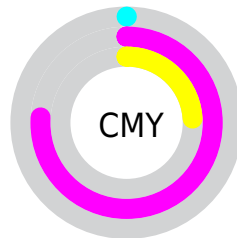


Cyan (0%)

Magenta (76%)

Yellow (24%)

Black (0%)



Cyan (0%)

Magenta (76%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.8130, 28.6454, 54.3753 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 52.8130, 28.6454, 54.3753 by changing the saturation by 10% instead.





 52.8130, 28.6454,  
54.3753

 52.8130, 28.6454,  
54.3753

387.8399,  
295.5382, 420.7545


 37.8804, 18.8127,  
38.5066

 93.4963, 57.5132,  
98.0870


 26.0667, 11.5350,  
26.0712


 119.9777, 77.3172,  
126.7671

 17.0065, 6.4279,  
16.6507

 151.0394,  
101.2137, 160.5547

 10.3344, 3.1070,  
9.8264

 187.0467,  
129.5871, 199.8684

 5.6852, 1.1878,  
5.1799

 228.3651,  
162.8219, 245.1266

 2.6935, 0.0517,  
2.2926

275.3599,

 0.9938, 0.0000,

201.3024, 296.7481

0.7271

328.3963,  
245.4130, 355.1512

■ 0.0000, 0.0000,  
0.0000

■ 52.8130, 28.6454,  
54.3753

■ 52.8130, 28.6454,  
54.3753

■ 50.8639, 26.1440,  
49.4199

■ 55.4608, 32.4681,  
59.7990

■ 49.5111, 24.7602,  
44.8942

■ 58.8864, 37.7690,  
65.7201

■ 49.0489, 24.3835,  
43.0509

■ 63.1600, 44.6875,  
72.1656

■ 68.3431, 53.3456,  
79.1596

■ 74.4915, 63.8535,  
86.7237

81.6561, 76.3123,  
94.8783

89.8844, 90.8157,  
103.6425

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.



43.9790, 28.6454, 102.1814



52.8130, 28.6454, 54.3753



53.7842, 28.6454, 20.3514

# Triad

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



52.8130, 28.6454, 54.3753



23.1185, 28.6454, 1.4937



14.2517, 28.6454, 91.8399

# Complementary

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



52.8130, 28.6454, 54.3753



41.2610, 73.9500, 30.5154

# 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.



11.2698, 28.6454, 45.3216



52.8130, 28.6454, 54.3753



15.3816, 28.6454, 4.2552

# Square

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



52.8130, 28.6454, 54.3753



34.4329, 28.6454, 1.7406



11.6180, 28.6454, 15.7579



21.1031, 28.6454, 132.0789



# Rectangle

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



52.8130, 28.6454, 54.3753



49.5890, 28.6454, 8.8668



11.6180, 28.6454, 15.7579



12.8594, 28.6454, 75.4617

# Sweetspot

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



52.8137, 28.6468, 54.3758



76.3108, 66.9987, 88.8515



27.5064, 14.6532, 95.9863



15.8127, 13.4405, 18.4064



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.



52.8137, 28.6468, 54.3758



50.0777, 25.2837, 46.9620



45.2932, 25.6386, 14.7735



18.5381, 18.1986, 21.4509



25.6993, 12.7690, 22.8649



2.5514, 1.2630, 2.4853



# Inverse Universe

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



52.8137, 28.6468, 54.3758



50.0777, 25.2837, 46.9620



50.1942, 77.5233, 77.5569



18.5381, 18.1986, 21.4509



25.6993, 12.7690, 22.8649



2.5514, 1.2630, 2.4853



# Previews

## White Background



This preview shows how the XYZ color 52.8130, 28.6454, 54.3753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

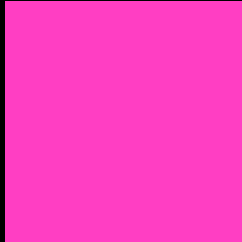
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.8130, 28.6454, 54.3753 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 52.8130, 28.6454, 54.3753**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.8130, 28.6454, 54.3753.



This preview shows how white text looks on a background with the XYZ color 52.8130, 28.6454,



# 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

52.8130, 28.6454, 54.3753

### Protanopia

32.4423, 28.9989, 98.4952

### Deuteranopia

29.2894, 28.6811, 49.3397



## Tritanopia

44.5243, 28.5037, 14.9595

# Trichromacy



## Original Color

52.8130, 28.6454, 54.3753



## Protanomaly

33.7500, 24.4658, 80.0343



## Deuteranomaly

34.3858, 25.6106, 50.7080



## Tritanomaly

46.7447, 28.0798, 25.5105

# Monochromacy



## Original Color

52.8130, 28.6454, 54.3753



## Achromatopsia

23.0288, 24.2281, 26.3844



## Achromatomaly

30.0388, 22.7432, 34.7049

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.8130, 28.6454, 54.3753 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, 62, 195)` looks like.

```
.text, #text, p{  
    color:rgb(255, 62, 195)  
}
```

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, 62, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 62, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 52.8130, 28.6454, 54.3753 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, 62, 195) }
```



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

```
.border{ border-color:rgb(255, 62, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 62, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 62, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 62, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 62,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.8130, 28.6454, 54.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 62, 195) }
```

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

```
.background{ background-color: rgb(255, 62,  
195) }
```

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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