

# Converting Colors

XYZ(54.5420, 27.6418, 68.7062)

Have a look what the booklet for  
XYZ(54.5420, 27.6418, 68.7062)  
contains.

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# Color

**XYZ(54.5565, 27.6451,  
68.7903)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF25DA
RGB	255, 37, 218
RGB Percent	100%, 15%, 85%
CMY	0.0000, 0.8548, 0.1451
CMYK	0.00, 0.85, 0.15, 0.00
HSL	310°, 100%, 57%
HSV	310°, 85%, 100%
XYZ	54.5565, 27.6451, 68.7903
YIQ	122.8160, 71.8270, 102.5070

# Conversions

## Conversions Part 2

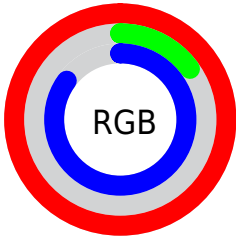
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 37, 218
Decimal	16721370
CIE Lab	59.57, 89.81, -41.33
CIE LCh	60, 98.866, 335.291
Yxy	27.6451, 0.3613, 0.1831
Android (android.graphics.Color)	4294911450 (0xFFFF25DA)
YUV	122.8160, 46.9257, 115.9254
Hunter-Lab	52.5786, 93.2022, -40.7660

# Details

The XYZ color **54.5565, 27.6451, 68.7903** 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 **37.7603, 72.4083, 18.4679**, and the grayscale version is **18.6035, 19.5723, 21.3142**.

A 20% lighter version of the original color is **65.3073, 40.5146, 98.9858**, and **28.5139, 13.9461, 35.3714** is the 20% darker color. If you saturate the color by 10%, you get **53.4615, 26.3497, 65.6673**, and if you desaturate by 10%, it is **56.2199, 30.0536, 72.1763**.

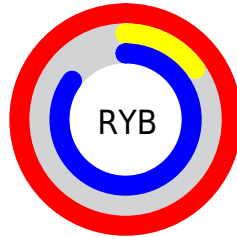
# Distribution



Red (100%)

Green (15%)

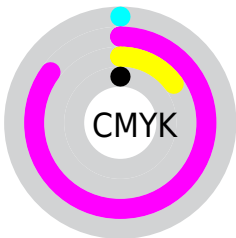
Blue (85%)



Red (100%)

Yellow (15%)

Blue (85%)

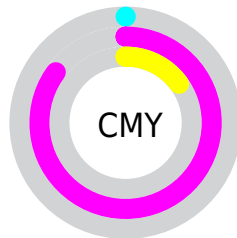


Cyan (0%)

Magenta (85%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (85%)


Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5565, 27.6451, 68.7903 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 54.5565, 27.6451, 68.7903 by changing the saturation by 10% instead.





 54.5565, 27.6451,  
68.7903

 54.5565, 27.6451,  
68.7903

394.3924,  
290.7672, 474.9649


 39.2792, 18.0583,  
50.0703


 96.0430, 55.9173,  
119.1469


 27.1587, 10.9919,  
35.0976


 122.9828, 75.3715,  
151.6205


 17.8296, 6.0614,  
23.4540


 154.5409, 98.8837,  
189.5157

 10.9267, 2.8824,  
14.7206

 191.0826,  
126.8382, 233.2511

 6.0845, 1.0707,  
8.4791

 232.9733,  
159.6193, 283.2452

 2.9377, 0.0000,  
4.3109

280.5782,

 1.1209, 0.0000,

197.6116, 339.9165

1.7974

334.2628,  
241.1995, 403.6835

■ 0.0425, 0.0000,  
0.4262

■ 0.0000, 0.0000,  
0.0000

■ 54.5565, 27.6451,  
68.7903

■ 54.5565, 27.6451,  
68.7903

■ 53.4615, 26.3497,  
65.6673

■ 56.2199, 30.0536,  
72.1763

■ 53.0880, 25.9992,  
64.3206

■ 58.5491, 33.7697,  
75.8575

■ 61.6249, 38.9551,  
79.8616

■ 65.5162, 45.7471,  
84.2121

70.2836, 54.2671,  
88.9298

75.9822, 64.6250,  
94.0335

82.6625, 76.9215,  
99.5406

90.3712, 91.2500,  
105.4671

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.



42.6650, 27.6451, 127.8269



54.5565, 27.6451, 68.7903



58.0269, 27.6451, 24.2133

# Triad

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



54.5565, 27.6451, 68.7903



24.1304, 27.6451, 0.2976



11.1851, 27.6451, 89.5822

# Complementary

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



54.5565, 27.6451, 68.7903



37.7603, 72.4083, 18.4679

# 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.



8.9264, 27.6451, 36.8729



54.5565, 27.6451, 68.7903



14.7349, 27.6451, 1.6598

# Square

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



54.5565, 27.6451, 68.7903



37.5999, 27.6451, 0.9009



9.9824, 27.6451, 9.5823



17.4897, 27.6451, 145.1254



# Rectangle

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



54.5565, 27.6451, 68.7903



54.3892, 27.6451, 9.2907



9.9824, 27.6451, 9.5823



10.0364, 27.6451, 69.8924

# Sweetspot

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



54.5571, 27.6463, 68.7908



75.6638, 64.0425, 93.7597



21.4864, 9.9745, 95.4006



15.7531, 12.9012, 19.6820



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.



54.5571, 27.6463, 68.7908



53.0880, 25.9992, 64.3206



44.6992, 23.7031, 16.8797



18.6525, 18.2443, 22.0531



27.7884, 13.6046, 33.8657



2.7391, 1.3380, 3.4735



# Inverse Universe

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



54.5571, 27.6463, 68.7908



53.0880, 25.9992, 64.3206



45.0023, 75.3051, 56.6037



18.6525, 18.2443, 22.0531



27.7884, 13.6046, 33.8657

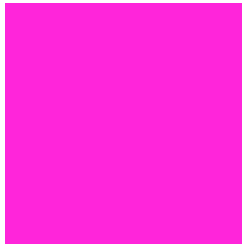


2.7391, 1.3380, 3.4735



# Previews

## White Background



This preview shows how the XYZ color 54.5565, 27.6451, 68.7903 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

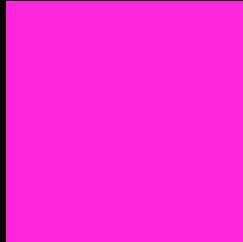
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 54.5565, 27.6451, 68.7903 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

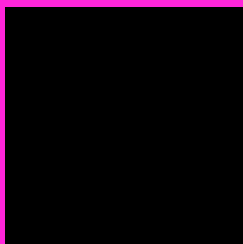
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 54.5565, 27.6451, 68.7903**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.5565, 27.6451, 68.7903.



This preview shows how white text looks on a background with the XYZ color 54.5565, 27.6451,



# 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

54.5565, 27.6451, 68.7903

### Protanopia

31.4526, 28.0509, 98.3644

### Deuteranopia

28.4382, 27.7468, 61.6144



## Tritanopia

43.1606, 27.5598, 14.1111

# Trichromacy



## Original Color

54.5565, 27.6451, 68.7903



## Protanomaly

33.2717, 22.5009, 86.5939



## Deuteranomaly

32.9454, 22.9888, 63.6736



## Tritanomaly

45.6983, 26.3564, 27.4897

# Monochromacy



## Original Color

54.5565, 27.6451, 68.7903



## Achromatopsia

18.8265, 19.8069, 21.5697



## Achromatomaly

26.7933, 18.7808, 34.5607

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5565, 27.6451, 68.7903 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, 37, 218)` looks like.

```
.text, #text, p{  
    color:rgb(255, 37, 218)  
}
```

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, 37, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 37, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5565, 27.6451, 68.7903 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, 37, 218) }
```



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

```
.border{ border-color:rgb(255, 37, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 37, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 37, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 37, 218);  
box-shadow:4px 4px 4px 4px rgb(255, 37,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5565, 27.6451, 68.7903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 37, 218) }
```

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

```
.background{ background-color: rgb(255, 37,  
218) }
```

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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