

# Converting Colors

XYZ(55.3662, 27.8097, 73.5452)

Have a look what the booklet for  
XYZ(55.3662, 27.8097, 73.5452)  
contains.

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# Color

**XYZ(55.4026, 27.8403,  
73.6878)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF22E1
RGB	255, 34, 225
RGB Percent	100%, 13%, 88%
CMY	0.0000, 0.8666, 0.1176
CMYK	0.00, 0.87, 0.12, 0.00
HSL	308°, 100%, 57%
HSV	308°, 87%, 100%
XYZ	55.4026, 27.8403, 73.6878
YIQ	121.8530, 70.4050, 106.2530

# Conversions

## Conversions Part 2

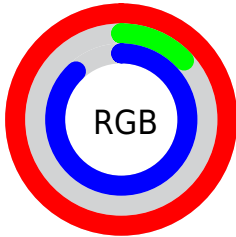
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 34, 225
Decimal	16720609
CIE Lab	59.74, 91.19, -45.00
CIE LCh	60, 101.686, 333.734
Yxy	27.8403, 0.3530, 0.1774
Android (android.graphics.Color)	4294910689 (0xFFFF22E1)
YUV	121.8530, 50.8515, 116.7699
Hunter-Lab	52.7639, 95.0898, -45.8671

# Details

The XYZ color **55.4026, 27.8403, 73.6878** 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 **37.3464, 72.2308, 16.8271**, and the grayscale version is **18.2780, 19.2299, 20.9414**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **29.1538, 14.2020, 38.7408** is the 20% darker color. If you saturate the color by 10%, you get **54.4555, 26.6942, 71.0658**, and if you desaturate by 10%, it is **56.8987, 30.0689, 76.5406**.

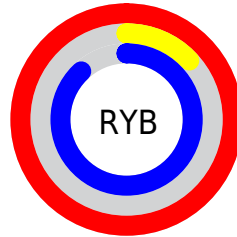
# Distribution



Red (100%)

Green (13%)

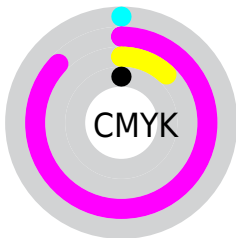
Blue (88%)



Red (100%)

Yellow (13%)

Blue (88%)

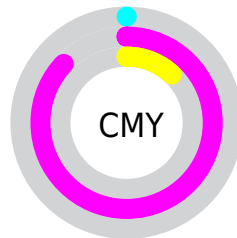


Cyan (0%)

Magenta (87%)

Yellow (12%)

Black (0%)



Cyan (0%)

Magenta (87%)


Yellow (12%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.4026, 27.8403, 73.6878 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 55.4026, 27.8403, 73.6878 by changing the saturation by 10% instead.





 55.4026, 27.8403,  
73.6878

 55.4026, 27.8403,  
73.6878

397.5479,  
291.7030, 492.5297


 39.9593, 18.2053,  
54.0433


 97.2755, 56.2294,  
126.1831

 27.6909, 11.0975,  
38.2429


 124.4357, 75.7522,  
159.8710


 18.2320, 6.1324,  
25.8680


 156.2323, 99.3399,  
199.0771

 11.2174, 2.9258,  
16.5000

 193.0306,  
127.3766, 244.2199

 6.2816, 1.0931,  
9.7205

 235.1959,  
160.2469, 295.7181

 3.0593, 0.0000,  
5.1109

283.0937,

 1.1852, 0.0000,

198.3352, 353.9901

2.2526

337.0892,  
242.0257, 419.4544

■ 0.0947, 0.0000,  
0.7045

■ 0.0000, 0.0000,  
0.0000

■ 55.4026, 27.8403,  
73.6878

■ 55.4026, 27.8403,  
73.6878

■ 54.4555, 26.6942,  
71.0658

■ 56.8987, 30.0689,  
76.5406

■ 54.2089, 26.4476,  
70.2233

■ 59.0448, 33.5822,  
79.6574

■ 61.9235, 38.5451,  
83.0661

■ 65.6046, 45.0972,  
86.7903

70.1496, 53.3616,  
90.8508

75.6142, 63.4493,  
95.2665

82.0492, 75.4619,  
100.0544

89.5017, 89.4937,  
105.2307

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.



42.7039, 27.8403, 135.5638



55.4026, 27.8403, 73.6878



59.5963, 27.8403, 25.9317

# Triad

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



55.4026, 27.8403, 73.6878



24.8836, 27.8403, 0.1074



10.7656, 27.8403, 89.0920

# Complementary

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



55.4026, 27.8403, 73.6878



37.3464, 72.2308, 16.8271

# 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.



8.6627, 27.8403, 35.1627



55.4026, 27.8403, 73.6878



14.9687, 27.8403, 1.3273

# Square

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



55.4026, 27.8403, 73.6878



38.9805, 27.8403, 0.8264



9.9055, 27.8403, 8.5347



16.9585, 27.8403, 148.4705



# Rectangle

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



55.4026, 27.8403, 73.6878



56.1617, 27.8403, 9.8118



9.9055, 27.8403, 8.5347



9.6676, 27.8403, 68.6790

# Sweetspot

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



55.4033, 27.8415, 73.6883



76.0076, 64.1800, 95.5701



20.7036, 9.4380, 95.3383



15.8359, 12.9343, 20.1179



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.



55.4033, 27.8415, 73.6883



54.2089, 26.4476, 70.2233



44.9098, 23.6441, 18.4305



18.6803, 18.2554, 22.1997



28.3664, 13.8359, 36.9096



2.7900, 1.3584, 3.7416



# Inverse Universe

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



55.4033, 27.8415, 73.6883



54.2089, 26.4476, 70.2233



44.0579, 74.9154, 52.1693



18.6803, 18.2554, 22.1997



28.3664, 13.8359, 36.9096



2.7900, 1.3584, 3.7416



# Previews

## White Background



This preview shows how the XYZ color 55.4026, 27.8403, 73.6878 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

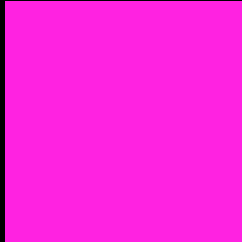
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 55.4026, 27.8403, 73.6878 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

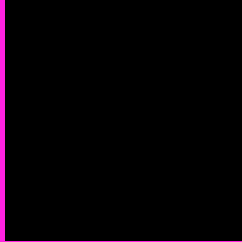
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 55.4026, 27.8403, 73.6878**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.4026, 27.8403, 73.6878.



This preview shows how white text looks on a background with the XYZ color 55.4026, 27.8403,



# 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

55.4026, 27.8403, 73.6878

### Protanopia

31.6947, 28.3936, 98.4178

### Deuteranopia

28.7764, 28.0432, 66.1836



## Tritanopia

43.0811, 27.7652, 14.6439

# Trichromacy



## Original Color

55.4026, 27.8403, 73.6878



## Protanomaly

33.4749, 22.4240, 88.1519



## Deuteranomaly

33.1005, 22.8172, 68.3052



## Tritanomaly

45.7092, 26.4225, 29.0765

# Monochromacy



## Original Color

55.4026, 27.8403, 73.6878



## Achromatopsia

18.4984, 19.4618, 21.1939



## Achromatomaly

26.4917, 18.3616, 34.9488

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.4026, 27.8403, 73.6878 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, 34, 225)` looks like.

```
.text, #text, p{  
    color:rgb(255, 34, 225)  
}
```

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, 34, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 34, 225) }
```

## Border

The CSS property to change the border of an element to XYZ 55.4026, 27.8403, 73.6878 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, 34, 225) }
```



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

```
.border{ border-color:rgb(255, 34, 225) }
```

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

Here you see how a box with a 4 pixel rgb(255, 34, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 34, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 34, 225);  
box-shadow:4px 4px 4px 4px rgb(255, 34,  
225) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.4026, 27.8403, 73.6878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 34, 225) }
```

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

```
.background{ background-color: rgb(255, 34,  
225) }
```

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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