

# Converting Colors

XYZ(55.5749, 26.9939, 77.4164)

Have a look what the booklet for  
XYZ(55.5749, 26.9939, 77.4164)  
contains.

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# Color

**XYZ(55.5229, 26.9732,  
77.1429)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF00E6
RGB	255, 0, 230
RGB Percent	100%, 0%, 90%
CMY	0.0000, 0.9998, 0.0980
CMYK	0.00, 1.00, 0.10, 0.00
HSL	306°, 100%, 50%
HSV	306°, 100%, 100%
XYZ	55.5229, 26.9732, 77.1429
YIQ	102.4650, 78.1500, 125.5900

# Conversions

## Conversions Part 2

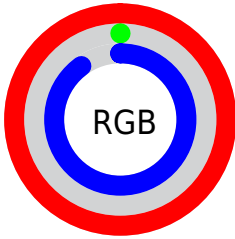
Format	Color
R <sub>Y</sub> B	255, 0, 230
Decimal	16711910
CIE Lab	58.95, 94.91, -49.07
CIE LCh	59, 106.850, 332.660
Yxy	26.9732, 0.3478, 0.1690
Android (android.graphics.Color)	4294901990 (0xFFFF00E6)
YUV	102.4650, 62.8748, 133.7732
Hunter-Lab	51.9357, 99.9414, -51.7116

# Details

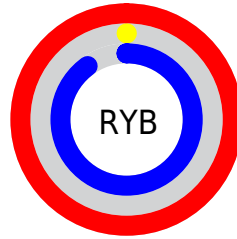
The XYZ color **55.5229, 26.9732, 77.1429** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.9367, 71.5908, 12.8470**, and the grayscale version is **12.5852, 13.2406, 14.4190**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **29.6323, 14.3934, 41.2608** is the 20% darker color. If you saturate the color by 10%, you get **55.5223, 26.9729, 77.1393**, and if you desaturate by 10%, it is **56.2363, 27.8339, 79.1260**.

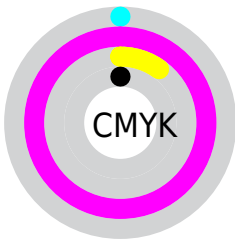
# Distribution



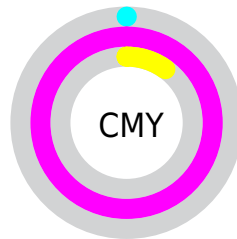
- Red (100%)
- Green (0%)
- Blue (90%)



- Red (100%)
- Yellow (0%)
- Blue (90%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (0%)




- Cyan (0%)
- Magenta (100%)
- Yellow (10%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.5229, 26.9732, 77.1429 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 55.5229, 26.9732, 77.1429 by changing the saturation by 10% instead.




 55.5229, 26.9732,  
77.1429


 55.5229, 26.9732,  
77.1429

397.9953,  
287.5273, 504.7017


 40.0560, 17.5531,  
56.8579


 97.4505, 54.8409,  
131.1160


 27.7666, 10.6296,  
40.4826


 124.6420, 74.0572,  
165.6412


 18.2894, 5.8184,  
27.5983


 156.4724, 97.3078,  
205.7503

 11.2589, 2.7350,  
17.7867

 193.3070,  
124.9769, 251.8617

 6.3098, 0.9950,  
10.6291

 235.5112,  
157.4490, 304.3940

 3.0768, 0.0000,  
5.7070

283.4505,

 1.1945, 0.0000,

195.1086, 363.7657

2.6019

337.4900,  
238.3399, 430.3955

■ 0.1020, 0.0000,  
0.8934

■ 0.0000, 0.0000,  
0.0000

■ 55.5229, 26.9732,  
77.1429

■ 55.5229, 26.9732,  
77.1429

■ 55.5223, 26.9729,  
77.1393

■ 56.2363, 27.8339,  
79.1260

■ 57.4218, 29.6306,  
81.2911

■ 59.2222, 32.6493,  
83.6863

■ 61.7251, 37.0647,  
86.3408

■ 65.0037, 43.0232,  
89.2791

■ 69.1219, 50.6527,  
92.5227

■ 74.1371, 60.0680,  
96.0907

■ 80.1016, 71.3735,  
100.0007

■ 87.0635, 84.6657,  
104.2688

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.9610, 26.9732, 143.3066



55.5229, 26.9732, 77.1429



60.3679, 26.9732, 26.1162

# Triad

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



55.5229, 26.9732, 77.1429



24.4747, 26.9732, 0.0000



9.6310, 26.9732, 88.8372

# Complementary

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



55.5229, 26.9732, 77.1429



35.9367, 71.5908, 12.8470

# 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.



7.6973, 26.9732, 32.8817



55.5229, 26.9732, 77.1429



14.2139, 26.9732, 0.8167

# Square

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



55.5229, 26.9732, 77.1429



39.1847, 26.9732, 0.4700



9.0293, 26.9732, 7.0079



15.6391, 26.9732, 153.2552



# Rectangle

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



55.5229, 26.9732, 77.1429



57.0054, 26.9732, 9.2934



9.0293, 26.9732, 7.0079



8.5985, 26.9732, 67.3273

# Sweetspot

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



55.5236, 26.9744, 77.1434



74.1256, 60.0464, 96.0829



18.3662, 7.3839, 95.0650



15.3894, 11.9550, 20.2350



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.



55.5236, 26.9744, 77.1434



55.5223, 26.9729, 77.1393



43.8567, 22.3076, 15.7067



18.7114, 18.2679, 22.3631



29.0430, 14.1065, 40.4722



2.8492, 1.3820, 4.0531



# Inverse Universe

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



55.5236, 26.9744, 77.1434



55.5223, 26.9729, 77.1393



41.1673, 73.6830, 40.3910



18.7114, 18.2679, 22.3631



29.0430, 14.1065, 40.4722



2.8492, 1.3820, 4.0531



# Previews

## White Background



This preview shows how the XYZ color 55.5229, 26.9732, 77.1429 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

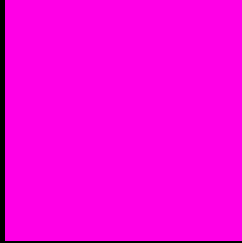
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 55.5229, 26.9732, 77.1429 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 55.5229, 26.9732, 77.1429**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.5229, 26.9732, 77.1429.



This preview shows how white text looks on a background with the XYZ color 55.5229, 26.9732,



# 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

55.5229, 26.9732, 77.1429

### Protanopia

31.1204, 27.6637, 98.3071

### Deuteranopia

28.2520, 27.4920, 68.7832



## Tritanopia

42.3854, 27.0341, 14.0505

# Trichromacy



## Original Color

55.5229, 26.9732, 77.1429



## Protanomaly

32.1569, 19.8363, 89.3227



## Deuteranomaly

31.4053, 20.1099, 70.6330



## Tritanomaly

44.9317, 24.7447, 29.1961

# Monochromacy



## Original Color

55.5229, 26.9732, 77.1429



## Achromatopsia

12.6291, 13.2868, 14.4694



## Achromatomaly

21.4157, 13.2196, 29.8567

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.5229, 26.9732, 77.1429 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, 0, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 230)  
}
```

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, 0, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 230) }
```

## Border

The CSS property to change the border of an element to XYZ 55.5229, 26.9732, 77.1429 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, 0, 230) }
```



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

```
.border{ border-color:rgb(255, 0, 230) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
230) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.5229, 26.9732, 77.1429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 230) }
```

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

```
.background{ background-color: rgb(255, 0,  
230) }
```

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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