

# Converting Colors

XYZ(55.6659, 29.6616, 90.6115)

Have a look what the booklet for XYZ(55.6659, 29.6616, 90.6115) contains.

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# Color

**XYZ(55.6989, 29.6665,  
90.7862)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F342F7
RGB	243, 66, 247
RGB Percent	95%, 26%, 97%
CMY	0.0471, 0.7411, 0.0314
CMYK	0.02, 0.73, 0.00, 0.03
HSL	299°, 92%, 61%
HSV	299°, 73%, 97%
XYZ	55.6989, 29.6665, 90.7862
YIQ	139.5570, 47.3910, 93.8150

# Conversions

## Conversions Part 2

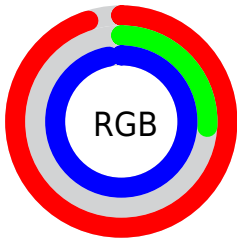
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	243, 66, 247
Decimal	15942391
CIE <sub>Lab</sub>	61.37, 84.94, -54.85
CIE <sub>LCh</sub>	61, 101.114, 327.147
Yxy	29.6665, 0.3162, 0.1684
Android (android.graphics.Color)	4294132471 (0xFFFF342F7)
YUV	139.5570, 52.9694, 90.7195
Hunter-Lab	54.4670, 87.2201, -60.6984

# Details

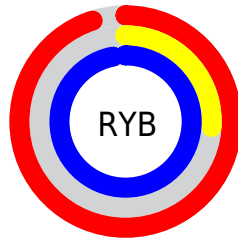
The XYZ color **55.6989, 29.6665, 90.7862** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **36.7708, 68.2176, 16.3848**, and the grayscale version is **24.5463, 25.8246, 28.1230**.

A 20% lighter version of the original color is **67.2726, 44.4453, 99.6409**, and **28.8227, 13.7850, 49.8568** is the 20% darker color. If you saturate the color by 10%, you get **54.3670, 27.2808, 90.3963**, and if you desaturate by 10%, it is **57.6562, 33.3001, 91.3848**.

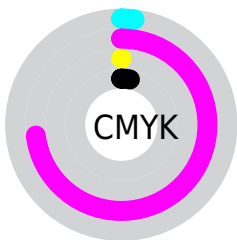
# Distribution



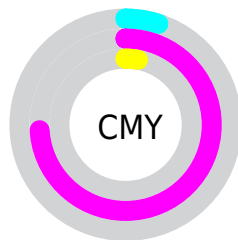
- Red (95%)
- Green (26%)
- Blue (97%)



- Red (95%)
- Yellow (26%)
- Blue (97%)



- Cyan (2%)
- Magenta (73%)
- Yellow (0%)
- Black (3%)




- Cyan (5%)
- Magenta (74%)
- Yellow (3%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6989, 29.6665, 90.7862 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 55.6989, 29.6665, 90.7862 by changing the saturation by 10% instead.





 55.6989, 29.6665,  
90.7862

 55.6989, 29.6665,  
90.7862

398.6492,  
300.3468, 551.2210


 40.1976, 19.5856,  
68.0555


 97.7066, 59.1344,  
150.3750


 27.8776, 12.0942,  
49.4759


 124.9437, 79.2901,  
188.0703


 18.3734, 6.8078,  
34.6289


 156.8234,  
103.5729, 231.5907

 11.3197, 3.3422,  
23.0959

 193.7111,  
132.3672, 281.3550

 6.3512, 1.3129,  
14.4584

 235.9722,  
166.0573, 337.7816

 3.1024, 0.1512,  
8.2978

283.9721,

 1.2082, 0.0000,

205.0277, 401.2892

4.1956

338.0759,  
249.6628, 472.2961

■ 0.1128, 0.0000,  
1.7332

■ 0.0000, 0.0000,  
0.3834

■ 55.6989, 29.6665,  
90.7862

■ 55.6989, 29.6665,  
90.7862

■ 54.3670, 27.2808,  
90.3963

■ 57.6562, 33.3001,  
91.3848


■ 53.5702, 25.9657,  
90.1845


■ 60.3066, 38.3200,  
92.2141


■ 53.2501, 25.5120,  
90.1138


■ 63.7128, 44.8509,  
93.2951


■ 67.9298, 53.0024,  
94.6462

 73.0073, 62.8739,  
96.2840

 78.9909, 74.5570,  
98.2237

 85.9232, 88.1367,  
100.4795

 91.0360, 98.0764,  
102.1286

 91.2292, 98.1760,  
102.1376

# Harmonies

## Analogous

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



41.5941, 29.6665, 151.6739



55.6989, 29.6665, 90.7862



62.3561, 29.6665, 36.0981

# Triad

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



55.6989, 29.6665, 90.7862



29.4933, 29.6665, 0.3365



10.9775, 29.6665, 78.7478

# Complementary

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



55.6989, 29.6665, 90.7862



36.7708, 68.2176, 16.3848

# 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.



9.5543, 29.6665, 28.7814



55.6989, 29.6665, 90.7862



18.0384, 29.6665, 1.1136

# Square

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



55.6989, 29.6665, 90.7862



44.5261, 29.6665, 1.5476



11.6724, 29.6665, 6.5927



16.4459, 29.6665, 141.6498



# Rectangle

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



55.6989, 29.6665, 90.7862



60.4938, 29.6665, 15.1243



11.6724, 29.6665, 6.5927



10.1032, 29.6665, 59.1594

# Sweetspot

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



55.7001, 29.6678, 90.7868



79.2359, 69.0465, 103.7589



21.3559, 12.5140, 89.2859



16.6152, 14.1074, 22.0972



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.



55.7001, 29.6678, 90.7868



57.9692, 28.5110, 97.0556



46.8761, 26.2994, 37.0391



17.1753, 16.7485, 20.8701



28.1791, 13.5012, 47.6588



2.4880, 1.1925, 4.1893



# Inverse Universe

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



41.4123, 24.1139, 8.2673



42.0313, 22.3439, 3.7314



41.0513, 69.8976, 40.3815



16.5140, 16.4884, 17.1872



20.3087, 10.4669, 1.0680



1.7901, 0.9220, 0.1208



# Previews

## White Background



This preview shows how the XYZ color 55.6989, 29.6665, 90.7862 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

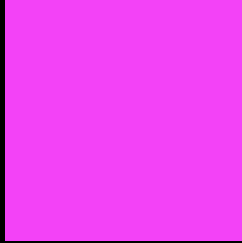
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 55.6989, 29.6665, 90.7862 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

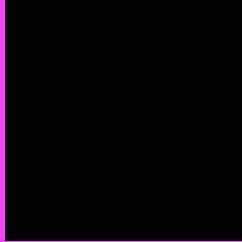
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 55.6989, 29.6665, 90.7862**

## **Background**



This preview shows how black text looks on a background with the XYZ color 55.6989, 29.6665, 90.7862.



This preview shows how white text looks on a background with the XYZ color 55.6989, 29.6665,



# 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

55.6989, 29.6665, 90.7862

### Protanopia

33.2124, 30.0675, 98.6609

### Deuteranopia

30.6967, 29.8296, 81.9817



## Tritanopia

41.1189, 29.4142, 20.9631

# Trichromacy



## Original Color

55.6989, 29.6665, 90.7862



## Protanomaly

36.5786, 26.0984, 95.2050



## Deuteranomaly

35.0073, 25.8643, 84.8086



## Tritanomaly

44.5794, 28.2612, 39.1818

# Monochromacy



## Original Color

55.6989, 29.6665, 90.7862



## Achromatopsia

24.9269, 26.2251, 28.5591



## Achromatomaly

32.1733, 24.4120, 45.6641

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 55.6989, 29.6665, 90.7862 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(243, 66, 247)` looks like.

```
.text, #text, p{  
    color:rgb(243, 66, 247)  
}
```

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(243, 66, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 66, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 55.6989, 29.6665, 90.7862 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(243, 66, 247) }
```



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

```
.border{ border-color:rgb(243, 66, 247) }
```

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

Here you see how a box with a 4 pixel rgb(243, 66, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 66, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 66, 247);  
box-shadow:4px 4px 4px 4px rgb(243, 66,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 55.6989, 29.6665, 90.7862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 66, 247) }
```

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

```
.background{ background-color: rgb(243, 66,  
247) }
```

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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