

Converting Colors

XYZ(55.7672, 29.1250, 72.0963)

Have a look what the booklet for
XYZ(55.7672, 29.1250, 72.0963)
contains.

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Color

**XYZ(55.6979, 29.0801,
71.7847)**

Conversions

Conversions Part 1

Format	Color
Hex	FF35DE
RGB	255, 53, 222
RGB Percent	100%, 21%, 87%
CMY	0.0000, 0.7921, 0.1294
CMYK	0.00, 0.79, 0.13, 0.00
HSL	310°, 100%, 60%
HSV	310°, 79%, 100%
XYZ	55.6979, 29.0801, 71.7847
YIQ	132.6640, 66.1430, 95.3830

Conversions

Conversions Part 2

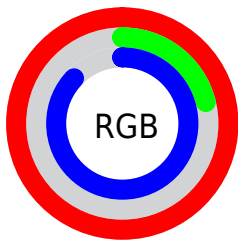
Format	Color
R _Y B	255, 53, 222
Decimal	16725470
CIE Lab	60.85, 87.15, -41.56
CIE LCh	61, 96.556, 334.502
Yxy	29.0801, 0.3558, 0.1857
Android (android.graphics.Color)	4294915550 (0xFFFF35DE)
YUV	132.6640, 44.0426, 107.2887
Hunter-Lab	53.9260, 89.9948, -41.1770

Details

The XYZ color **55.6979, 29.0801, 71.7847** 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 **38.9091, 72.9493, 20.8367**, and the grayscale version is **22.0032, 23.1491, 25.2094**.

A 20% lighter version of the original color is **66.3730, 42.6459, 99.3410**, and **29.1311, 14.2225, 37.2862** is the 20% darker color. If you saturate the color by 10%, you get **54.2770, 27.1209, 68.5903**, and if you desaturate by 10%, it is **57.7513, 32.2821, 75.2586**.

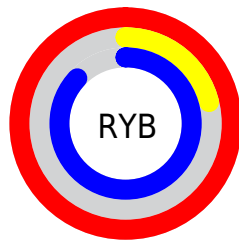
Distribution



Red (100%)

Green (21%)

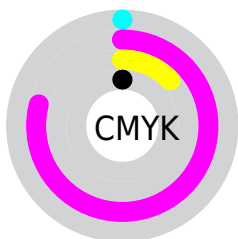
Blue (87%)



Red (100%)

Yellow (21%)

Blue (87%)

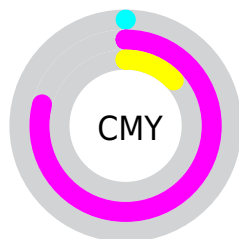


Cyan (0%)

Magenta (79%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (79%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.6979, 29.0801, 71.7847 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 55.6979, 29.0801, 71.7847 by changing the saturation by 10% instead.


 55.6979, 29.0801,
71.7847


 55.6979, 29.0801,
71.7847

398.6455,
297.5927, 485.7493


 40.1968, 19.1414,
52.4971


 97.7051, 58.2043,
123.4553


 27.8769, 11.7725,
37.0165


 124.9419, 78.1587,
156.6752


 18.3729, 6.5890,
24.9243


 156.8214,
102.2203, 195.3764

 11.3193, 3.2064,
15.8022

 193.7088,
130.7738, 239.9774

 6.3509, 1.2404,
9.2314

 235.9696,
164.2033, 290.8966

 3.1023, 0.0944,
4.7936

283.9691,

 1.2081, 0.0000,

202.8934, 348.5526

2.0701

338.0726,
247.2284, 413.3640

■ 0.1127, 0.0000,
0.5979

■ 0.0000, 0.0000,
0.0000

■ 55.6979, 29.0801,
71.7847

■ 55.6979, 29.0801,
71.7847

■ 54.2770, 27.1209,
68.5903

■ 57.7513, 32.2821,
75.2586

■ 53.3571, 26.1418,
65.6302

■ 60.5213, 36.8952,
79.0397

■ 53.2934, 26.0814,
65.4023

■ 64.0811, 43.0653,
83.1530

■ 68.4940, 50.9193,
87.6203

73.8172, 60.5710,
92.4609

80.1025, 72.1242,
97.6926

87.3981, 85.6749,
103.3320

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.



43.7151, 29.0801, 129.8207



55.6979, 29.0801, 71.7847



59.4142, 29.0801, 26.5344

Triad

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



55.6979, 29.0801, 71.7847



25.7855, 29.0801, 0.6054



12.1231, 29.0801, 89.2826

Complementary

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



55.6979, 29.0801, 71.7847



38.9091, 72.9493, 20.8367

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.



9.8683, 29.0801, 37.4138



55.6979, 29.0801, 71.7847



16.0852, 29.0801, 2.0185

Square

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



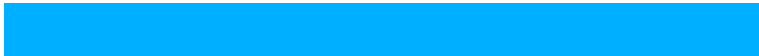
55.6979, 29.0801, 71.7847



39.4041, 29.0801, 1.2696



11.0605, 29.0801, 10.2358



18.4863, 29.0801, 144.2436

Rectangle

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



55.6979, 29.0801, 71.7847



55.9814, 29.0801, 10.7577



11.0605, 29.0801, 10.2358



10.9644, 29.0801, 69.9205

Sweetspot

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



55.6986, 29.0814, 71.7852



76.9690, 66.3473, 95.1370



22.9185, 11.6206, 95.6428



16.0071, 13.3435, 19.9691



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.



55.6986, 29.0814, 71.7852



53.7009, 26.4695, 66.8538



46.1334, 25.2553, 21.4156



18.6577, 18.2464, 22.0805



27.8944, 13.6470, 34.4238



2.7485, 1.3418, 3.5228

Inverse Universe

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



55.6986, 29.0814, 71.7852



53.7009, 26.4695, 66.8538



45.9126, 75.7507, 57.7165



18.6577, 18.2464, 22.0805



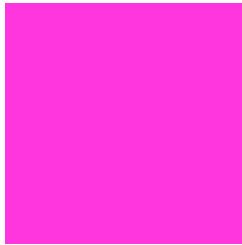
27.8944, 13.6470, 34.4238



2.7485, 1.3418, 3.5228

Previews

White Background



This preview shows how the XYZ color 55.6979, 29.0801, 71.7847 looks on a white background.

Color Contrast Check

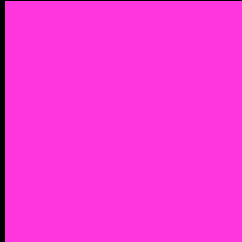
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.6979, 29.0801, 71.7847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

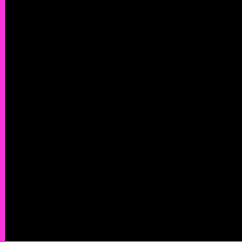
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.6979, 29.0801, 71.7847

Background



This preview shows how black text looks on a background with the XYZ color 55.6979, 29.0801, 71.7847.



This preview shows how white text looks on a background with the XYZ color 55.6979, 29.0801,

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

55.6979, 29.0801, 71.7847

Protanopia

32.8471, 29.6533, 98.6002

Deuteranopia

30.0801, 29.4219, 65.0664



Tritanopia

44.1746, 28.9679, 16.3598

Trichromacy



Original Color

55.6979, 29.0801, 71.7847



Protanomaly

35.1885, 24.7100, 87.7089



Deuteranomaly

34.7264, 25.1013, 66.6331



Tritanomaly

46.9952, 28.0976, 30.5502

Monochromacy



Original Color

55.6979, 29.0801, 71.7847



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

29.8733, 21.9644, 38.2624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6979, 29.0801, 71.7847 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, 53, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 222)  
}
```

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, 53, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 222) }
```

Border

The CSS property to change the border of an element to XYZ 55.6979, 29.0801, 71.7847 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, 53, 222) }
```


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

```
.border{ border-color:rgb(255, 53, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 53, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6979, 29.0801, 71.7847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 222) }
```

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

```
.background{ background-color: rgb(255, 53,  
222) }
```

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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