

Converting Colors

XYZ(55.5939, 28.8957, 71.6773)

Have a look what the booklet for
XYZ(55.5939, 28.8957, 71.6773)
contains.

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Color

**XYZ(55.6086, 28.9016,
71.7549)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33DE
RGB	255, 51, 222
RGB Percent	100%, 20%, 87%
CMY	0.0000, 0.7999, 0.1294
CMYK	0.00, 0.80, 0.13, 0.00
HSL	310°, 100%, 60%
HSV	310°, 80%, 100%
XYZ	55.6086, 28.9016, 71.7549
YIQ	131.4900, 66.6930, 96.4290

Conversions

Conversions Part 2

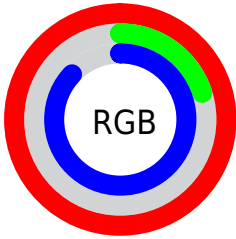
Format	Color
RYB	255, 51, 222
Decimal	16724958
CIELab	60.69, 87.61, -41.81
CIElCh	61, 97.074, 334.486
Yxy	28.9016, 0.3559, 0.1850
Android (android.graphics.Color)	4294915038 (0xFFFF33DE)
YUV	131.4900, 44.6214, 108.3183
Hunter-Lab	53.7602, 90.5568, -41.5035

Details

The XYZ color **55.6086, 28.9016, 71.7549** 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 **38.7268, 72.8645, 20.4136**, and the grayscale version is **21.5798, 22.7036, 24.7242**.

A 20% lighter version of the original color is **66.1274, 42.1547, 99.2591**, and **29.1311, 14.2225, 37.2862** is the 20% darker color. If you saturate the color by 10%, you get **54.2373, 27.0329, 68.6033**, and if you desaturate by 10%, it is **57.6048, 31.9980, 75.1821**.

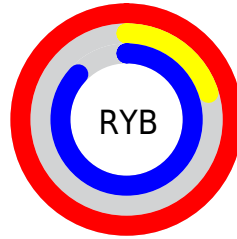
Distribution



Red (100%)

Green (20%)

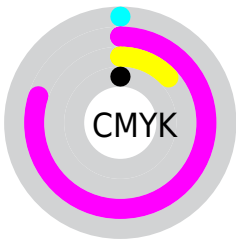
Blue (87%)



Red (100%)

Yellow (20%)

Blue (87%)

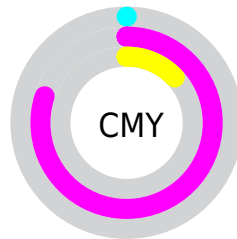


Cyan (0%)

Magenta (80%)

Yellow (13%)

Black (0%)



Cyan (0%)


Magenta (80%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.6086, 28.9016, 71.7549 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 55.6086, 28.9016, 71.7549 by changing the saturation by 10% instead.


 55.6086, 28.9016,
71.7549


 55.6086, 28.9016,
71.7549

398.3138,
296.7504, 485.6426


 40.1250, 19.0064,
52.4729

 97.5752, 57.9207,
123.4125


 27.8206, 11.6749,
36.9973


 124.7889, 77.8134,
156.6251


 18.3303, 6.5227,
24.9096


 156.6433,
101.8074, 195.3183

 11.2885, 3.1655,
15.7913

 193.5038,
130.2870, 239.9107

 6.3299, 1.2187,
9.2239

 235.7358,
163.6368, 290.8208

 3.0893, 0.0769,
4.7887

283.7045,

 1.2012, 0.0000,

202.2410, 348.4671

2.0673

337.7754,
246.4841, 413.2682

■ 0.1073, 0.0000,
0.5962

■ 0.0000, 0.0000,
0.0000

■ 55.6086, 28.9016,
71.7549

■ 55.6086, 28.9016,
71.7549

■ 54.2373, 27.0329,
68.6033

■ 57.6048, 31.9980,
75.1821

■ 53.3458, 26.1026,
65.6777

■ 60.3110, 36.4929,
78.9129

■ 53.3454, 26.1022,
65.6760

■ 63.8014, 42.5342,
82.9728

■ 68.1401, 50.2499,
87.3835

73.3843, 59.7545,
92.1647

79.5866, 71.1528,
97.3343

86.7952, 84.5412,
102.9088

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.



43.5764, 28.9016, 130.1340



55.6086, 28.9016, 71.7549



59.3472, 28.9016, 26.3533

Triad

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



55.6086, 28.9016, 71.7549



25.6204, 28.9016, 0.5502



11.9618, 28.9016, 89.2812

Complementary

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



55.6086, 28.9016, 71.7549



38.7268, 72.8645, 20.4136

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.



9.7182, 28.9016, 37.2072



55.6086, 28.9016, 71.7549



15.9201, 28.9016, 1.9379

Square

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



55.6086, 28.9016, 71.7549



39.2674, 28.9016, 1.2095



10.9070, 28.9016, 10.0615



18.3095, 28.9016, 144.6059

Rectangle

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



55.6086, 28.9016, 71.7549



55.9026, 28.9016, 10.5975



10.9070, 28.9016, 10.0615



10.8082, 28.9016, 69.8209

Sweetspot

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



55.6093, 28.9029, 71.7554



76.9839, 66.3533, 95.2158



22.6805, 11.3655, 95.6061



16.0107, 13.3450, 19.9883



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.



55.6093, 28.9029, 71.7554



53.6676, 26.4082, 66.8269



45.9628, 25.0443, 20.9572



18.6590, 18.2469, 22.0874



27.9212, 13.6578, 34.5650



2.7508, 1.3427, 3.5353

Inverse Universe

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



55.6093, 28.9029, 71.7554



53.6676, 26.4082, 66.8269



45.7364, 75.6683, 57.3256



18.6590, 18.2469, 22.0874



27.9212, 13.6578, 34.5650



2.7508, 1.3427, 3.5353

Previews

White Background



This preview shows how the XYZ color 55.6086, 28.9016, 71.7549 looks on a white background.

Color Contrast Check

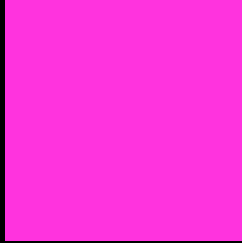
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.6086, 28.9016, 71.7549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

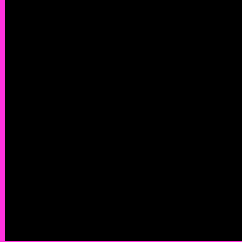
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.6086, 28.9016, 71.7549

Background



This preview shows how black text looks on a background with the XYZ color 55.6086, 28.9016, 71.7549.



This preview shows how white text looks on a background with the XYZ color 55.6086, 28.9016,

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

55.6086, 28.9016, 71.7549

Protanopia

32.5918, 29.2978, 98.5450

Deuteranopia

29.8024, 29.0652, 64.3610



Tritanopia

44.0311, 28.7618, 16.0628

Trichromacy



Original Color

55.6086, 28.9016, 71.7549



Protanomaly

34.8905, 24.3952, 87.6638



Deuteranomaly

34.6166, 24.8818, 66.5965



Tritanomaly

46.7684, 27.7691, 30.0891

Monochromacy



Original Color

55.6086, 28.9016, 71.7549



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

29.3567, 21.4132, 37.7078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.6086, 28.9016, 71.7549 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, 51, 222)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 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, 51, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 222) }
```

Border

The CSS property to change the border of an element to XYZ 55.6086, 28.9016, 71.7549 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, 51, 222) }
```


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

```
.border{ border-color:rgb(255, 51, 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, 51, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 222);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 55.6086, 28.9016, 71.7549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 222) }
```

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

```
.background{ background-color: rgb(255, 51,  
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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