

Converting Colors

XYZ(55.5875, 29.4996, 69.7739)

Have a look what the booklet for
XYZ(55.5875, 29.4996, 69.7739)
contains.

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Color

**XYZ(55.5901, 29.5024,
69.7824)**

Conversions

Conversions Part 1

Format	Color
Hex	FF3BDB
RGB	255, 59, 219
RGB Percent	100%, 23%, 86%
CMY	0.0000, 0.7686, 0.1412
CMYK	0.00, 0.77, 0.14, 0.00
HSL	311°, 100%, 62%
HSV	311°, 77%, 100%
XYZ	55.5901, 29.5024, 69.7824
YIQ	135.8440, 65.4560, 91.3120

Conversions

Conversions Part 2

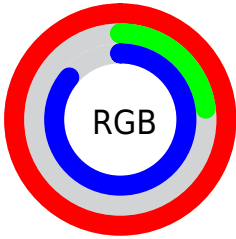
Format	Color
RYB	255, 59, 219
Decimal	16727003
CIELab	61.22, 85.29, -39.29
CIELCh	61, 93.902, 335.264
Yxy	29.5024, 0.3589, 0.1905
Android (android.graphics.Color)	4294917083 (0xFFFF3BDB)
YUV	135.8440, 40.9959, 104.4998
Hunter-Lab	54.3161, 87.6335, -38.1513

Details

The XYZ color **55.5901, 29.5024, 69.7824** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **39.6305, 73.2766, 22.8845**, and the grayscale version is **23.1802, 24.3874, 26.5579**.

A 20% lighter version of the original color is **66.7509, 43.4017, 99.4670**, and **28.8590, 14.1137, 35.8535** is the 20% darker color. If you saturate the color by 10%, you get **53.9763, 27.2476, 66.2449**, and if you desaturate by 10%, it is **57.8620, 33.0452, 73.6255**.

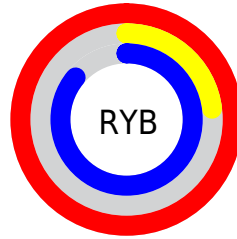
Distribution



Red (100%)

Green (23%)

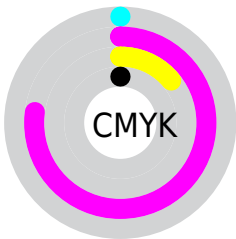
Blue (86%)



Red (100%)

Yellow (23%)

Blue (86%)

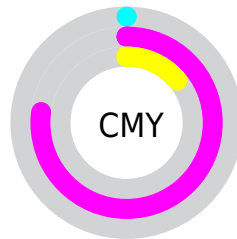


Cyan (0%)

Magenta (77%)

Yellow (14%)

Black (0%)



Cyan (0%)


Magenta (77%)


Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.5901, 29.5024, 69.7824 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 55.5901, 29.5024, 69.7824 by changing the saturation by 10% instead.


 55.5901, 29.5024,
69.7824


 55.5901, 29.5024,
69.7824


398.2450,
299.5781, 478.5541


 40.1101, 19.4612,
50.8734


 97.5483, 58.8744,
120.5766


 27.8090, 12.0040,
35.7319

 124.7572, 78.9739,
153.2989

 18.3214, 6.7464,
23.9391


 156.6064,
103.1950, 191.4628

 11.2821, 3.3040,
15.0767

 193.4613,
131.9221, 235.4867

 6.3256, 1.2924,
8.7260

 235.6873,
165.5396, 285.7893

 3.0866, 0.1353,
4.4685

283.6497,

 1.1997, 0.0000,

204.4318, 342.7890

1.8857

337.7138,
248.9832, 406.9044

■ 0.1061, 0.0000,
0.4836

■ 0.0000, 0.0000,
0.0000

■ 55.5901, 29.5024,
69.7824

■ 55.5901, 29.5024,
69.7824

■ 53.9763, 27.2476,
66.2449

■ 57.8620, 33.0452,
73.6255

■ 52.9141, 26.0688,
62.9759

■ 60.8721, 38.0365,
77.8006

■ 52.6450, 25.8220,
61.9877

■ 64.6911, 44.6175,
82.3323

■ 69.3809, 52.9117,
87.2420

74.9973, 63.0303,
92.5488

81.5912, 75.0751,
98.2704

89.2099, 89.1405,
104.4233

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.



44.0954, 29.5024, 125.7103



55.5901, 29.5024, 69.7824



58.9335, 29.5024, 26.2827

Triad

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



55.5901, 29.5024, 69.7824



25.9199, 29.5024, 0.8425



12.7845, 29.5024, 89.5095

Complementary

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



55.5901, 29.5024, 69.7824



39.6305, 73.2766, 22.8845

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.



10.4262, 29.5024, 38.7704



55.5901, 29.5024, 69.7824



16.4501, 29.5024, 2.4510

Square

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



55.5901, 29.5024, 69.7824



39.1901, 29.5024, 1.4917



11.5378, 29.5024, 11.2503



19.2367, 29.5024, 141.8387

Rectangle

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



55.5901, 29.5024, 69.7824



55.4446, 29.5024, 10.9711



11.5378, 29.5024, 11.2503



11.5889, 29.5024, 70.7374

Sweetspot

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



55.5909, 29.5037, 69.7829



77.4226, 67.4434, 94.7060



24.3281, 12.7791, 95.7921



16.0846, 13.5493, 19.8382



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.



55.5909, 29.5037, 69.7829



53.3693, 26.5234, 64.5331



46.2604, 25.7716, 20.6496



18.6411, 18.2398, 21.9931



27.5598, 13.5132, 32.6618



2.7189, 1.3299, 3.3670

Inverse Universe

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



55.5909, 29.5037, 69.7829



53.3693, 26.5234, 64.5331



47.1830, 76.2977, 62.6556



18.6411, 18.2398, 21.9931



27.5598, 13.5132, 32.6618



2.7189, 1.3299, 3.3670

Previews

White Background



This preview shows how the XYZ color 55.5901, 29.5024, 69.7824 looks on a white background.

Color Contrast Check

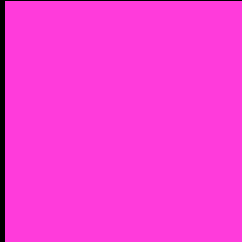
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.5901, 29.5024, 69.7824 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 55.5901, 29.5024, 69.7824

Background



This preview shows how black text looks on a background with the XYZ color 55.5901, 29.5024, 69.7824.



This preview shows how white text looks on a background with the XYZ color 55.5901, 29.5024,

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

55.5901, 29.5024, 69.7824

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.2938, 29.5748, 63.1433



Tritanopia

44.3716, 29.1974, 16.9327

Trichromacy



Original Color

55.5901, 29.5024, 69.7824



Protanomaly

35.5619, 25.4140, 87.0355



Deuteranomaly

35.2307, 25.7364, 64.7388



Tritanomaly

47.1482, 28.4037, 30.6012

Monochromacy



Original Color

55.5901, 29.5024, 69.7824



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

30.8359, 23.0620, 38.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.5901, 29.5024, 69.7824 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, 59, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 59, 219)  
}
```

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, 59, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 59, 219) }
```

Border

The CSS property to change the border of an element to XYZ 55.5901, 29.5024, 69.7824 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, 59, 219) }
```


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

```
.border{ border-color:rgb(255, 59, 219) }
```

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

Here you see how a box with a 4 pixel rgb(255, 59, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 59, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 59, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 59,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 55.5901, 29.5024, 69.7824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 59, 219) }
```

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

```
.background{ background-color: rgb(255, 59,  
219) }
```

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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