

Converting Colors

XYZ(55.9424, 27.7162, 77.5787)

Have a look what the booklet for
XYZ(55.9424, 27.7162, 77.5787)
contains.

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Color

**XYZ(55.8923, 27.7120,
77.2660)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1AE6
RGB	255, 26, 230
RGB Percent	100%, 10%, 90%
CMY	0.0000, 0.8979, 0.0980
CMYK	0.00, 0.90, 0.10, 0.00
HSL	307°, 100%, 55%
HSV	307°, 90%, 100%
XYZ	55.8923, 27.7120, 77.2660
YIQ	117.7270, 71.0000, 111.9920

Conversions

Conversions Part 2

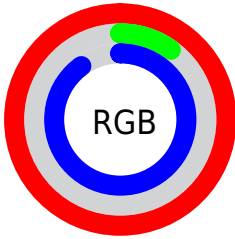
Format	Color
R _Y B	255, 26, 230
Decimal	16718566
CIE Lab	59.63, 92.92, -48.00
CIE LCh	60, 104.582, 332.680
Yxy	27.7120, 0.3474, 0.1723
Android (android.graphics.Color)	4294908646 (0xFFFF1AE6)
YUV	117.7270, 55.3506, 120.3884
Hunter-Lab	52.6422, 97.3967, -50.1738

Details

The XYZ color **55.8923, 27.7120, 77.2660** 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 **36.7848, 71.9792, 15.0897**, and the grayscale version is **16.9567, 17.8397, 19.4275**.

A 20% lighter version of the original color is **64.8659, 39.6319, 98.8386**, and **29.6323, 14.3934, 41.2608** is the 20% darker color. If you saturate the color by 10%, you get **55.1407, 26.8294, 75.1020**, and if you desaturate by 10%, it is **57.1242, 29.5449, 79.6215**.

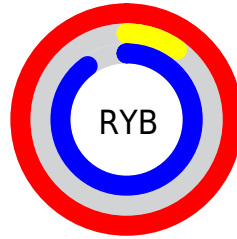
Distribution



Red (100%)

Green (10%)

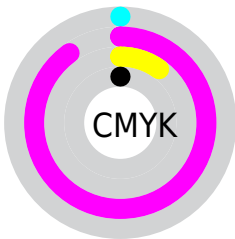
Blue (90%)



Red (100%)

Yellow (10%)

Blue (90%)

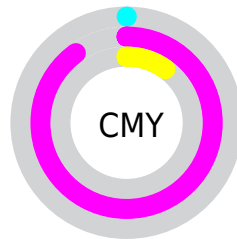


Cyan (0%)

Magenta (90%)

Yellow (10%)

Black (0%)



Cyan (0%)


Magenta (90%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 55.8923, 27.7120, 77.2660 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 55.8923, 27.7120, 77.2660 by changing the saturation by 10% instead.


 55.8923, 27.7120,
77.2660


 55.8923, 27.7120,
77.2660

399.3671,
291.0882, 505.1322


 40.3532, 18.1087,
56.9584

 97.9878, 56.0243,
131.2913


 27.9995, 11.0280,
40.5627


 125.2750, 75.5021,
165.8461


 18.4657, 6.0857,
27.6604


 157.2089, 99.0401,
205.9870

 11.3866, 2.8973,
17.8330

 194.1549,
127.0228, 252.1326

 6.3967, 1.0783,
10.6620

 236.4784,
159.8346, 304.7013

 3.1307, 0.0000,
5.7287

284.5447,

 1.2233, 0.0000,

197.8598, 364.1118

2.6147

338.7191,
241.4829, 430.7826

■ 0.1246, 0.0000,
0.9000

■ 0.0000, 0.0000,
0.0000

■ 55.8923, 27.7120,
77.2660

■ 55.8923, 27.7120,
77.2660

■ 55.1407, 26.8294,
75.1020

■ 57.1242, 29.5449,
79.6215

■ 55.1271, 26.8148,
75.0582

■ 58.9735, 32.6026,
82.2134

■ 61.5279, 37.0605,
85.0714

■ 64.8604, 43.0645,
88.2201

69.0348, 50.7422,
91.6808

74.1085, 60.2083,
95.4727

80.1337, 71.5668,
99.6135

87.1584, 84.9143,
104.1192

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.



42.5356, 27.7120, 141.8203



55.8923, 27.7120, 77.2660



60.6445, 27.7120, 26.9044

Triad

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



55.8923, 27.7120, 77.2660



25.1717, 27.7120, 0.0000



10.2451, 27.7120, 88.8030

Complementary

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



55.8923, 27.7120, 77.2660



36.7848, 71.9792, 15.0897

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.



8.2648, 27.7120, 33.6975



55.8923, 27.7120, 77.2660



14.8856, 27.7120, 1.0350

Square

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



55.8923, 27.7120, 77.2660



39.7715, 27.7120, 0.6914



9.6263, 27.7120, 7.6130



16.3336, 27.7120, 151.5611

Rectangle

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



55.8923, 27.7120, 77.2660



57.3368, 27.7120, 9.9442



9.6263, 27.7120, 7.6130



9.1897, 27.7120, 67.7183

Sweetspot

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



55.8930, 27.7132, 77.2665



75.6937, 63.1863, 96.5936



19.6830, 8.6111, 95.2324



15.7890, 12.7496, 20.3825



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.



55.8930, 27.7132, 77.2665



55.1271, 26.8148, 75.0582



44.8572, 23.2989, 19.1531



18.7022, 18.2642, 22.3148



28.8395, 14.0251, 39.4006



2.8314, 1.3749, 3.9596

Inverse Universe

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



55.8930, 27.7132, 77.2665



55.1271, 26.8148, 75.0582



42.8344, 74.3991, 46.9465



18.7022, 18.2642, 22.3148



28.8395, 14.0251, 39.4006



2.8314, 1.3749, 3.9596

Previews

White Background



This preview shows how the XYZ color 55.8923, 27.7120, 77.2660 looks on a white background.

Color Contrast Check

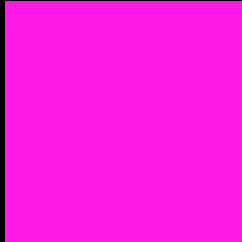
Large Text (above 18pt) WCAG AA ✓ Pass

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 55.8923, 27.7120, 77.2660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

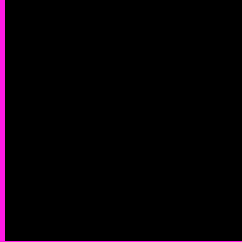
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 55.8923, 27.7120, 77.2660

Background



This preview shows how black text looks on a background with the XYZ color 55.8923, 27.7120, 77.2660.



This preview shows how white text looks on a background with the XYZ color 55.8923, 27.7120,

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

55.8923, 27.7120, 77.2660

Protanopia

31.5994, 28.3445, 98.4133

Deuteranopia

28.6475, 27.9178, 68.8445



Tritanopia

42.7369, 27.5878, 14.6278

Trichromacy



Original Color

55.8923, 27.7120, 77.2660



Protanomaly

33.4908, 21.9671, 89.6637



Deuteranomaly

32.7126, 22.1213, 70.9523



Tritanomaly

45.6742, 26.1057, 29.8257

Monochromacy



Original Color

55.8923, 27.7120, 77.2660



Achromatopsia

17.2197, 18.1164, 19.7288



Achromatomaly

25.6550, 17.3250, 34.7928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.8923, 27.7120, 77.2660 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, 26, 230)` looks like.

```
.text, #text, p{  
    color:rgb(255, 26, 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, 26, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 26, 230) }
```

Border

The CSS property to change the border of an element to XYZ 55.8923, 27.7120, 77.2660 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, 26, 230) }
```


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

```
.border{ border-color:rgb(255, 26, 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, 26, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 26, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 26, 230);  
box-shadow:4px 4px 4px 4px rgb(255, 26,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 55.8923, 27.7120, 77.2660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 26, 230) }
```

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

```
.background{ background-color: rgb(255, 26,  
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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