

Converting Colors

XYZ(57.3173, 27.6918, 86.5889)

Have a look what the booklet for
XYZ(57.3173, 27.6918, 86.5889)
contains.

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Color

**XYZ(57.2670, 27.6708,
86.3271)**

Conversions

Conversions Part 1

Format	Color
Hex	FF00F2
RGB	255, 0, 242
RGB Percent	100%, 0%, 95%
CMY	0.0000, 0.9998, 0.0510
CMYK	0.00, 1.00, 0.05, 0.00
HSL	303°, 100%, 50%
HSV	303°, 100%, 100%
XYZ	57.2670, 27.6708, 86.3271
YIQ	103.8330, 74.2980, 129.3220

Conversions

Conversions Part 2

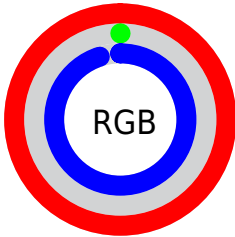
Format	Color
RYB	255, 0, 242
Decimal	16711922
CIELab	59.59, 96.48, -54.78
CIELCh	60, 110.951, 330.414
Yxy	27.6708, 0.3344, 0.1616
Android (android.graphics.Color)	4294902002 (0xFFFF00F2)
YUV	103.8330, 68.1163, 132.5735
Hunter-Lab	52.6030, 102.2711, -60.4790

Details

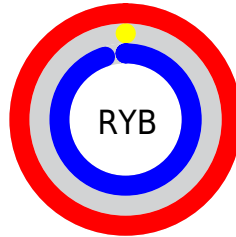
The XYZ color **57.2670, 27.6708, 86.3271** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light saturated magenta. A complement of this color would be **35.8336, 71.5495, 12.3042**, and the grayscale version is **12.9313, 13.6047, 14.8155**.

A 20% lighter version of the original color is **64.3416, 38.5832, 98.6639**, and **30.7493, 14.8402, 47.1427** is the 20% darker color. If you saturate the color by 10%, you get **57.2667, 27.6707, 86.3255**, and if you desaturate by 10%, it is **57.8226, 28.4682, 87.4796**.

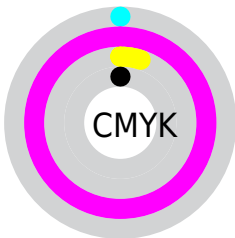
Distribution



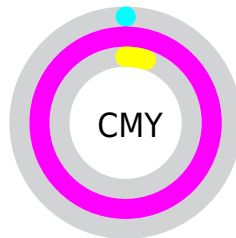
- Red (100%)
- Green (0%)
- Blue (95%)



- Red (100%)
- Yellow (0%)
- Blue (95%)



- Cyan (0%)
- Magenta (100%)
- Yellow (5%)
- Black (0%)





- Cyan (0%)
- Magenta (100%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.2670, 27.6708, 86.3271 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 57.2670, 27.6708, 86.3271 by changing the saturation by 10% instead.


 57.2670, 27.6708,
86.3271

 57.2670, 27.6708,
86.3271


404.4471,
290.8905, 536.2679


 41.4606, 18.0777,
64.3820


 99.9838, 55.9584,
144.1164


 28.8684, 11.0058,
46.5120


 127.6249, 75.4217,
180.7978

 19.1251, 6.0707,
32.2985


 159.9416, 98.9438,
223.2284

 11.8652, 2.8881,
21.3229

 197.2993,
126.9091, 271.8266

 6.7235, 1.0736,
13.1667

 240.0634,
159.7020, 327.0112

 3.3346, 0.0000,
7.4113

288.5991,

 1.3331, 0.0000,

197.7070, 389.2006

3.6383

343.2719,
241.3084, 458.8133

■ 0.2078, 0.0000,
1.4291

■ 0.0000, 0.0000,
0.1643

■ 57.2670, 27.6708,
86.3271

■ 57.2670, 27.6708,
86.3271

■ 57.2667, 27.6707,
86.3255

■ 57.8226, 28.4682,
87.4796

■ 58.8465, 30.2001,
88.7947

■ 60.4817, 33.1525,
90.3205

■ 62.8157, 37.5001,
92.0861

65.9216, 43.3892,
94.1159

69.8634, 50.9480,
96.4312

74.6984, 60.2909,
99.0513

80.4788, 71.5225,
101.9934

87.2530, 84.7392,
105.2737

Harmonies

Analogous

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



42.3815, 27.6708, 157.1305



57.2670, 27.6708, 86.3271



63.3549, 27.6708, 29.5766

Triad

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



57.2670, 27.6708, 86.3271



26.1068, 27.6708, 0.0000



9.2679, 27.6708, 88.2829

Complementary

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



57.2670, 27.6708, 86.3271



35.8336, 71.5495, 12.3042

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.



7.5434, 27.6708, 30.6878



57.2670, 27.6708, 86.3271



14.9086, 27.6708, 0.4935

Square

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



57.2670, 27.6708, 86.3271



41.9213, 27.6708, 0.4375



9.1715, 27.6708, 5.8685



15.1400, 27.6708, 158.8072

Rectangle

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



57.2670, 27.6708, 86.3271



60.3721, 27.6708, 10.4704



9.1715, 27.6708, 5.8685



8.3009, 27.6708, 65.7263

Sweetspot

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



57.2676, 27.6719, 86.3276



74.6883, 60.2714, 99.0460



18.2135, 7.3051, 95.0578



15.5262, 12.0097, 20.9553



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.



57.2676, 27.6719, 86.3276



57.2667, 27.6707, 86.3255



44.3222, 22.4937, 18.1580



18.7503, 18.2834, 22.5682



29.9405, 14.4655, 45.1988



2.9270, 1.4132, 4.4630

Inverse Universe

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



57.2676, 27.6719, 86.3276



57.2667, 27.6707, 86.3255



40.5143, 73.4218, 36.9526



18.7503, 18.2834, 22.5682



29.9405, 14.4655, 45.1988



2.9270, 1.4132, 4.4630

Previews

White Background



This preview shows how the XYZ color 57.2670, 27.6708, 86.3271 looks on a white background.

Color Contrast Check

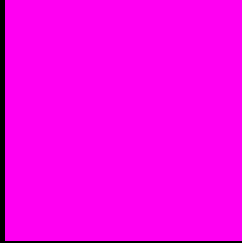
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.2670, 27.6708, 86.3271 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

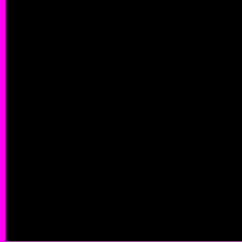
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.2670, 27.6708, 86.3271

Background



This preview shows how black text looks on a background with the XYZ color 57.2670, 27.6708, 86.3271.



This preview shows how white text looks on a background with the XYZ color 57.2670, 27.6708,

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

57.2670, 27.6708, 86.3271

Protanopia

31.6947, 28.3936, 98.4178

Deuteranopia

28.9840, 28.1452, 76.5780



Tritanopia

42.7168, 27.8248, 15.4312

Trichromacy



Original Color

57.2670, 27.6708, 86.3271



Protanomaly

33.3059, 20.6040, 92.6640



Deuteranomaly

32.1029, 20.5484, 78.6182



Tritanomaly

45.2894, 25.0915, 32.1619

Monochromacy



Original Color

57.2670, 27.6708, 86.3271



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

22.0790, 13.6005, 32.0333

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.2670, 27.6708, 86.3271 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, 0, 242)` looks like.

```
.text, #text, p{  
    color:rgb(255, 0, 242)  
}
```

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, 0, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 0, 242) }
```

Border

The CSS property to change the border of an element to XYZ 57.2670, 27.6708, 86.3271 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, 0, 242) }
```


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

```
.border{ border-color:rgb(255, 0, 242) }
```

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

Here you see how a box with a 4 pixel rgb(255, 0, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 0, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 0, 242);  
box-shadow:4px 4px 4px 4px rgb(255, 0,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 57.2670, 27.6708, 86.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 0, 242) }
```

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

```
.background{ background-color: rgb(255, 0,  
242) }
```

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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