

Converting Colors

XYZ(56.9871, 27.2929, 96.8722)

Have a look what the booklet for
XYZ(56.9871, 27.2929, 96.8722)
contains.

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Color

**XYZ(57.1169, 27.3597,
96.8783)**

Conversions

Conversions Part 1

Format	Color
Hex	F900FF
RGB	249, 0, 255
RGB Percent	98%, 0%, 100%
CMY	0.0235, 0.9998, 0.0000
CMYK	0.02, 1.00, 0.00, 0.00
HSL	299°, 100%, 50%
HSV	299°, 100%, 100%
XYZ	57.1169, 27.3597, 96.8783
YIQ	103.5210, 66.5490, 132.0930

Conversions

Conversions Part 2

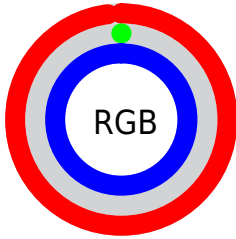
Format	Color
R_{YB}	249, 0, 255
Decimal	16318719
CIE _{Lab}	59.31, 97.34, -62.52
CIE _{LCh}	59, 115.692, 327.286
Yxy	27.3597, 0.3149, 0.1509
Android (android.graphics.Color)	4294508799 (0xFFFF900FF)
YUV	103.5210, 74.6791, 127.5851
Hunter-Lab	52.3065, 103.3795, -73.1981

Details

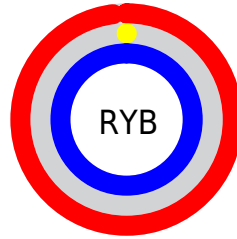
The XYZ color **57.1169, 27.3597, 96.8783** is a light color, and the websafe version is hex **FF00FF**. The color can be described as light saturated magenta. A complement of this color would be **35.8358, 71.5591, 11.9247**, and the grayscale version is **12.8323, 13.5006, 14.7021**.

A 20% lighter version of the original color is **64.2403, 38.3806, 98.6301**, and **30.5716, 14.5960, 54.0293** is the 20% darker color. If you saturate the color by 10%, you get **57.1172, 27.3599, 96.8783**, and if you desaturate by 10%, it is **57.6910, 28.1891, 97.0081**.

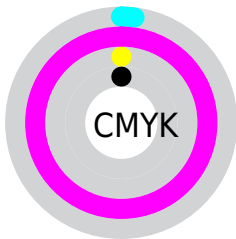
Distribution



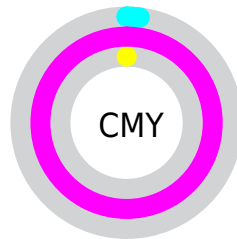
- Red (98%)
- Green (0%)
- Blue (100%)



- Red (98%)
- Yellow (0%)
- Blue (100%)



- Cyan (2%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (100%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.1169, 27.3597, 96.8783 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 57.1169, 27.3597, 96.8783 by changing the saturation by 10% instead.


 57.1169, 27.3597,
96.8783

 57.1169, 27.3597,
96.8783

403.8943,
289.3945, 571.2981

 41.3396, 17.8436,
73.0938

 99.7661, 55.4605,
158.8748


 28.7734, 10.8377,
53.5604


 127.3687, 74.8140,
197.9239


 19.0529, 5.9578,
37.8595


 159.6439, 98.2154,
242.8983

 11.8127, 2.8194,
25.5727

 196.9568,
126.0490, 294.2165

 6.6876, 1.0382,
16.2813

 239.6730,
158.6994, 352.2970

 3.3121, 0.0000,
9.5669

288.1577,

 1.3209, 0.0000,

196.5508, 417.5584

5.0110

342.7764,
239.9877, 490.4192

■ 0.1988, 0.0000,
2.1948

■ 0.0000, 0.0000,
0.6714

■ 57.1169, 27.3597,
96.8783

■ 57.1169, 27.3597,
96.8783

■ 57.1172, 27.3599,
96.8783

■ 57.6910, 28.1891,
97.0081

■ 58.7322, 29.9524,
97.2936

■ 60.3840, 32.9360,
97.7824

■ 62.7337, 37.3144,
98.5037

65.8547, 43.2343,
99.4819

69.8108, 50.8234,
100.7382

74.6593, 60.1965,
102.2918

80.4526, 71.4580,
104.1602

87.2389, 84.7044,
106.3593

Harmonies

Analogous

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



40.9481, 27.3597, 171.3999



57.1169, 27.3597, 96.8783



64.8407, 27.3597, 33.7213

Triad

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



57.1169, 27.3597, 96.8783



27.3433, 27.3597, 0.0000



8.2942, 27.3597, 83.2404

Complementary

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



57.1169, 27.3597, 96.8783



35.8358, 71.5591, 11.9247

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.



6.9449, 27.3597, 26.1768



57.1169, 27.3597, 96.8783



15.2268, 27.3597, 0.0000

Square

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



57.1169, 27.3597, 96.8783



44.1122, 27.3597, 0.3433



8.9240, 27.3597, 4.1512



13.6861, 27.3597, 159.5775

Rectangle

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



57.1169, 27.3597, 96.8783



62.6146, 27.3597, 11.8395



8.9240, 27.3597, 4.1512



7.4653, 27.3597, 60.2713

Sweetspot

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



57.1180, 27.3609, 96.8785



74.6510, 60.1804, 102.2892



18.1432, 7.4056, 95.0809



15.5169, 11.9874, 21.7459



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.



57.1180, 27.3609, 96.8785



57.1172, 27.3599, 96.8783



45.6857, 23.0390, 25.3385



18.7479, 18.2773, 22.7897



29.8641, 14.3060, 50.6219



2.9206, 1.3996, 4.9295

Inverse Universe

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



41.2735, 21.2741, 2.1043



41.2729, 21.2731, 2.1031



39.0916, 72.8527, 29.4611



18.0267, 17.9940, 18.7578



21.5734, 11.1187, 1.1383



2.1063, 1.0849, 0.1415

Previews

White Background



This preview shows how the XYZ color 57.1169, 27.3597, 96.8783 looks on a white background.

Color Contrast Check

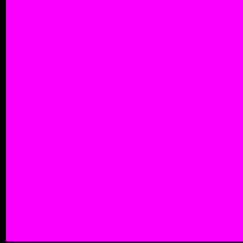
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.1169, 27.3597, 96.8783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

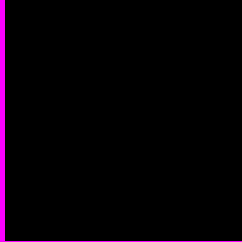
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 57.1169, 27.3597, 96.8783

Background



This preview shows how black text looks on a background with the XYZ color 57.1169, 27.3597, 96.8783.



This preview shows how white text looks on a background with the XYZ color 57.1169, 27.3597,

96.8783.

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

57.1169, 27.3597, 96.8783

Protanopia

31.3586, 28.0024, 98.3600

Deuteranopia

29.0780, 28.2043, 86.3495



Tritanopia

40.4897, 27.3317, 17.0514

Trichromacy



Original Color

57.1169, 27.3597, 96.8783



Protanomaly

33.4764, 20.4757, 96.7956



Deuteranomaly

31.2931, 19.9096, 88.5798

Tritanomaly

43.5263, 24.4171, 36.1371

Monochromacy



Original Color

57.1169, 27.3597, 96.8783



Achromatopsia

13.1579, 13.8432, 15.0752



Achromatomaly

22.1109, 13.5677, 34.2544

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.1169, 27.3597, 96.8783 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(249, 0, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 0, 255)  
}
```

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(249, 0, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 0, 255) }
```

Border

The CSS property to change the border of an element to XYZ 57.1169, 27.3597, 96.8783 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(249, 0, 255) }
```


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

```
.border{ border-color:rgb(249, 0, 255) }
```

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

Here you see how a box with a 4 pixel rgb(249, 0, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 0, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 0, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 0,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 57.1169, 27.3597, 96.8783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 0, 255) }
```

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

```
.background{ background-color: rgb(249, 0,  
255) }
```

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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