

Converting Colors

XYZ(58.9629, 29.6257, 97.2184)

Have a look what the booklet for
XYZ(58.9629, 29.6257, 97.2184)
contains.

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Color

**XYZ(59.0956, 29.7168,
97.2290)**

Conversions

Conversions Part 1

Format	Color
Hex	FC2CFF
RGB	252, 44, 255
RGB Percent	99%, 17%, 100%
CMY	0.0118, 0.8274, 0.0000
CMYK	0.01, 0.83, 0.00, 0.00
HSL	299°, 100%, 59%
HSV	299°, 83%, 100%
XYZ	59.0956, 29.7168, 97.2290
YIQ	130.2460, 56.2370, 109.7170

Conversions

Conversions Part 2

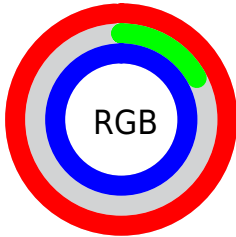
Format	Color
R _Y B	252, 44, 255
Decimal	16526591
CIE Lab	61.41, 93.09, -59.13
CIE LCh	61, 110.284, 327.577
Yxy	29.7168, 0.3176, 0.1597
Android (android.graphics.Color)	4294716671 (0xFFFC2CFF)
YUV	130.2460, 61.5037, 106.7783
Hunter-Lab	54.5131, 98.1071, -67.5898

Details

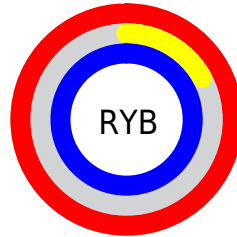
The XYZ color **59.0956, 29.7168, 97.2290** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **37.3877, 72.3066, 14.3702**, and the grayscale version is **21.0831, 22.1811, 24.1552**.

A 20% lighter version of the original color is **65.7684, 41.4369, 99.1395**, and **31.5639, 15.1076, 54.0758** is the 20% darker color. If you saturate the color by 10%, you get **58.2892, 28.2976, 96.9976**, and if you desaturate by 10%, it is **60.4867, 32.3032, 97.6549**.

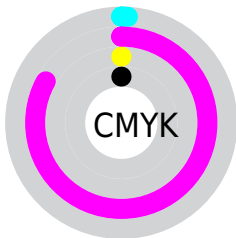
Distribution



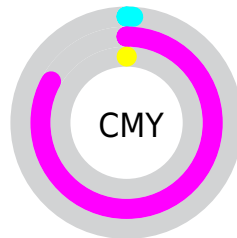
- Red (99%)
- Green (17%)
- Blue (100%)



- Red (99%)
- Yellow (17%)
- Blue (100%)



- Cyan (1%)
- Magenta (83%)
- Yellow (0%)
- Black (0%)





- Cyan (1%)
- Magenta (83%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 59.0956, 29.7168, 97.2290 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 59.0956, 29.7168, 97.2290 by changing the saturation by 10% instead.


 59.0956, 29.7168,
97.2290


 59.0956, 29.7168,
97.2290

411.1445,
300.5822, 572.4421

 42.9367, 19.6237,
73.3845


 102.6304, 59.2140,
159.3625


 30.0298, 12.1218,
53.7967


 130.7371, 79.3870,
198.4884


 20.0094, 6.8267,
38.0470


 163.5571,
103.6887, 243.5453

 12.5102, 3.3540,
25.7171

 201.4558,
132.5035, 294.9517

 7.1668, 1.3192,
16.3882

 244.7985,
166.2159, 353.1260

 3.6139, 0.1560,
9.6420

293.9506,

 1.4861, 0.0000,

205.2102, 418.4868

5.0597

349.2775,
249.8708, 491.4527

■ 0.3163, 0.0000,
2.2230

■ 0.0000, 0.0000,
0.6876

■ 59.0956, 29.7168,
97.2290

■ 59.0956, 29.7168,
97.2290

■ 58.2892, 28.2976,
96.9976


■ 60.4867, 32.3032,
97.6549

■ 57.9694, 27.7992,
96.9182


■ 62.5519, 36.2381,
98.3056


■ 65.3687, 41.6760,
99.2067

■ 69.0034, 48.7493,
100.3804

 73.5149, 57.5757,
101.8463

 78.9567, 68.2625,
103.6223

 85.3781, 80.9081,
105.7247

 92.8249, 95.6040,
108.1688

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.



43.2959, 29.7168, 168.2418



59.0956, 29.7168, 97.2290



66.4847, 29.7168, 35.8669

Triad

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



59.0956, 29.7168, 97.2290



29.4454, 29.7168, 0.0000



9.9826, 29.7168, 85.5057

Complementary

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



59.0956, 29.7168, 97.2290



37.3877, 72.3066, 14.3702

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.



8.4862, 29.7168, 29.0831



59.0956, 29.7168, 97.2290



17.1619, 29.7168, 0.5680

Square

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



59.0956, 29.7168, 97.2290



46.0796, 29.7168, 0.8939



10.5862, 29.7168, 5.5903



15.7325, 29.7168, 158.2695

Rectangle

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



59.0956, 29.7168, 97.2290



64.2409, 29.7168, 13.6754



10.5862, 29.7168, 5.5903



9.0747, 29.7168, 63.1270

Sweetspot

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



59.0967, 29.7181, 97.2292



77.6429, 65.6793, 103.1929



20.1271, 9.8314, 95.4446



16.2026, 13.2405, 21.9517



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.



59.0967, 29.7181, 97.2292



58.0102, 27.8613, 96.9280



47.8928, 25.3630, 32.5183



18.7657, 18.2864, 22.7905



30.3019, 14.5317, 50.6424



2.9583, 1.4190, 4.9312

Inverse Universe

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



42.6545, 23.2677, 4.9335



41.3013, 21.3288, 2.1163



41.9868, 74.1308, 39.2858



18.0199, 17.9913, 18.7218



21.5637, 11.1148, 1.0869



2.1031, 1.0836, 0.1243

Previews

White Background



This preview shows how the XYZ color 59.0956, 29.7168, 97.2290 looks on a white background.

Color Contrast Check

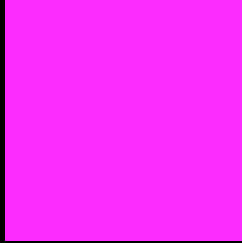
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.0956, 29.7168, 97.2290 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

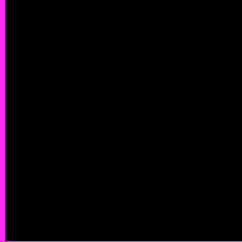
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.0956, 29.7168, 97.2290

Background



This preview shows how black text looks on a background with the XYZ color 59.0956, 29.7168, 97.2290.



This preview shows how white text looks on a background with the XYZ color 59.0956, 29.7168,

97.2290.

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

59.0956, 29.7168, 97.2290

Protanopia

33.1052, 30.0122, 98.6558

Deuteranopia

31.0383, 30.1211, 87.3971



Tritanopia

42.7267, 29.3332, 19.0327

Trichromacy



Original Color

59.0956, 29.7168, 97.2290



Protanomaly

36.5494, 24.7174, 97.4523



Deuteranomaly

34.8967, 24.5067, 90.0798

Tritanomaly

46.5027, 27.7804, 38.5085

Monochromacy



Original Color

59.0956, 29.7168, 97.2290



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

29.6553, 21.0175, 43.0512

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.0956, 29.7168, 97.2290 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(252, 44, 255)` looks like.

```
.text, #text, p{  
    color:rgb(252, 44, 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(252, 44, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 44, 255) }
```

Border

The CSS property to change the border of an element to XYZ 59.0956, 29.7168, 97.2290 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(252, 44, 255) }
```


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

```
.border{ border-color:rgb(252, 44, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 44, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 44, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 44, 255);  
box-shadow:4px 4px 4px 4px rgb(252, 44,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 59.0956, 29.7168, 97.2290 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 44, 255) }
```

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

```
.background{ background-color: rgb(252, 44,  
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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