

Converting Colors

XYZ(59.0943, 29.1691, 93.5838)

Have a look what the booklet for
XYZ(59.0943, 29.1691, 93.5838)
contains.

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Color

**XYZ(59.1426, 29.2050,
93.7868)**

Conversions

Conversions Part 1

Format	Color
Hex	FF1FFB
RGB	255, 31, 251
RGB Percent	100%, 12%, 98%
CMY	0.0000, 0.8784, 0.0157
CMYK	0.00, 0.88, 0.02, 0.00
HSL	301°, 100%, 56%
HSV	301°, 88%, 100%
XYZ	59.1426, 29.2050, 93.7868
YIQ	123.0560, 62.8840, 115.9080

Conversions

Conversions Part 2

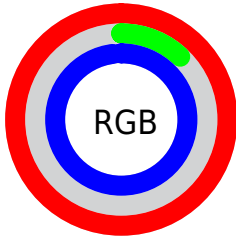
Format	Color
R _Y B	255, 31, 251
Decimal	16719867
CIE Lab	60.96, 95.13, -57.60
CIE LCh	61, 111.211, 328.806
Yxy	29.2050, 0.3247, 0.1603
Android (android.graphics.Color)	4294909947 (0xFFFF1FFB)
YUV	123.0560, 63.0764, 115.7149
Hunter-Lab	54.0417, 100.7756, -65.0659

Details

The XYZ color **59.1426, 29.2050, 93.7868** 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 **36.6293, 71.9331, 13.5455**, and the grayscale version is **18.6330, 19.6034, 21.3481**.

A 20% lighter version of the original color is **65.1951, 40.2903, 98.9484**, and **31.7299, 15.2325, 52.3067** is the 20% darker color. If you saturate the color by 10%, you get **58.6409, 28.3162, 93.2662**, and if you desaturate by 10%, it is **60.1640, 31.1328, 94.4822**.

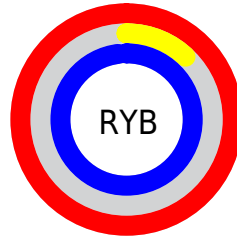
Distribution



Red (100%)

Green (12%)

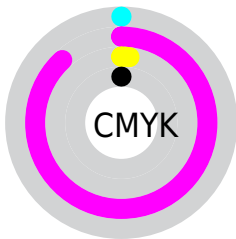
Blue (98%)



Red (100%)

Yellow (12%)

Blue (98%)

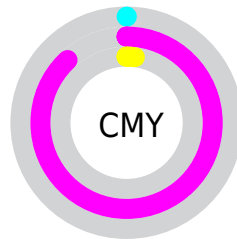


Cyan (0%)

Magenta (88%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (88%)


Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 59.1426, 29.2050, 93.7868 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 59.1426, 29.2050, 93.7868 by changing the saturation by 10% instead.


 59.1426, 29.2050,
93.7868


 59.1426, 29.2050,
93.7868

411.3157,
298.1810, 561.1585


 42.9747, 19.2360,
70.5343

 102.6983, 58.4026,
154.5686

 30.0597, 11.8409,
51.4828


 130.8169, 78.4000,
192.9350


 20.0322, 6.6354,
36.2136


 163.6498,
102.5090, 237.1764

 12.5269, 3.2352,
24.3082

 201.5623,
131.1139, 287.7115

 7.1783, 1.2557,
15.3481

 244.9198,
164.5991, 344.9587

 3.6212, 0.1065,
8.9147

294.0876,

 1.4901, 0.0000,

203.3491, 409.3366

4.5895

349.4311,
247.7483, 481.2637

■ 0.3191, 0.0000,
1.9540

■ 0.0000, 0.0000,
0.5268

■ 59.1426, 29.2050,
93.7868

■ 59.1426, 29.2050,
93.7868

■ 58.6409, 28.3162,
93.2662

■ 60.1640, 31.1328,
94.4822

■ 58.5655, 28.1902,
93.1646

■ 61.8154, 34.3202,
95.3881

■ 64.1809, 38.9356,
96.5329

■ 67.3314, 45.1209,
97.9402

71.3295, 53.0008,
99.6309

76.2311, 62.6877,
101.6236

82.0876, 74.2840,
103.9355

88.9465, 87.8848,
106.5824

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.



43.5003, 29.2050, 165.9052



59.1426, 29.2050, 93.7868



66.0700, 29.2050, 33.4945

Triad

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



59.1426, 29.2050, 93.7868



28.3443, 29.2050, 0.0000



9.7782, 29.2050, 87.9767

Complementary

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



59.1426, 29.2050, 93.7868



36.6293, 71.9331, 13.5455

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.



8.1570, 29.2050, 30.1622



59.1426, 29.2050, 93.7868



16.3625, 29.2050, 0.5354

Square

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



59.1426, 29.2050, 93.7868



44.8739, 29.2050, 0.6974



10.0712, 29.2050, 5.7633



15.6644, 29.2050, 160.9441

Rectangle

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



59.1426, 29.2050, 93.7868



63.4591, 29.2050, 12.3615



10.0712, 29.2050, 5.7633



8.8308, 29.2050, 65.1642

Sweetspot

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



59.1432, 29.2061, 93.7873



77.2331, 64.6702, 102.0236



19.2253, 8.5540, 95.2455



16.1321, 13.0528, 21.6776



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.



59.1432, 29.2061, 93.7873



58.5655, 28.1902, 93.1646



46.4109, 24.1132, 26.7404



18.7779, 18.2945, 22.7133



30.6081, 14.7325, 48.7142



2.9845, 1.4362, 4.7658

Inverse Universe

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



59.1432, 29.2061, 93.7873



58.5655, 28.1902, 93.1646



41.5719, 73.9101, 39.5730



18.7779, 18.2945, 22.7133



30.6081, 14.7325, 48.7142



2.9845, 1.4362, 4.7658

Previews

White Background



This preview shows how the XYZ color 59.1426, 29.2050, 93.7868 looks on a white background.

Color Contrast Check

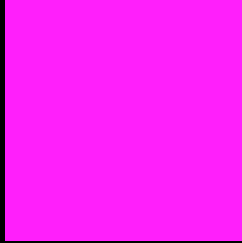
Large Text (above 18pt) WCAG AA ✓ Pass

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 59.1426, 29.2050, 93.7868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

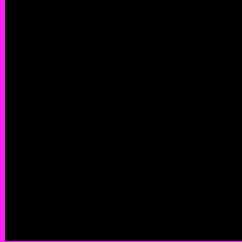
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 59.1426, 29.2050, 93.7868

Background



This preview shows how black text looks on a background with the XYZ color 59.1426, 29.2050, 93.7868.



This preview shows how white text looks on a background with the XYZ color 59.1426, 29.2050,

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

59.1426, 29.2050, 93.7868

Protanopia

32.7426, 29.5994, 98.5953

Deuteranopia

30.4495, 29.6688, 83.4787



Tritanopia

43.3933, 29.1107, 17.5192

Trichromacy



Original Color

59.1426, 29.2050, 93.7868



Protanomaly

35.8765, 23.6286, 96.4358



Deuteranomaly

34.0656, 23.2263, 85.9068



Tritanomaly

46.5858, 27.1194, 36.0369

Monochromacy



Original Color

59.1426, 29.2050, 93.7868



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

27.7064, 18.8725, 40.2127

CSS Examples

Text

The CSS property to change the color of the text to XYZ 59.1426, 29.2050, 93.7868 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, 31, 251)` looks like.

```
.text, #text, p{  
    color:rgb(255, 31, 251)  
}
```

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, 31, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 31, 251) }
```

Border

The CSS property to change the border of an element to XYZ 59.1426, 29.2050, 93.7868 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, 31, 251) }
```


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

```
.border{ border-color:rgb(255, 31, 251) }
```

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

Here you see how a box with a 4 pixel rgb(255, 31, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 31, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 31, 251);  
box-shadow:4px 4px 4px 4px rgb(255, 31,  
251) }
```

Background

The CSS property to change the background color of an element to XYZ 59.1426, 29.2050, 93.7868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 31, 251) }
```

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

```
.background{ background-color: rgb(255, 31,  
251) }
```

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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