

Converting Colors

XYZ(57.7169, 29.7449, 82.8569)

Have a look what the booklet for
XYZ(57.7169, 29.7449, 82.8569)
contains.

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Color

**XYZ(57.7099, 29.7421,
82.8199)**

Conversions

Conversions Part 1

Format	Color
Hex	FF33ED
RGB	255, 51, 237
RGB Percent	100%, 20%, 93%
CMY	0.0000, 0.7999, 0.0706
CMYK	0.00, 0.80, 0.07, 0.00
HSL	305°, 100%, 60%
HSV	305°, 80%, 100%
XYZ	57.7099, 29.7421, 82.8199
YIQ	133.2000, 61.8780, 101.0940

Conversions

Conversions Part 2

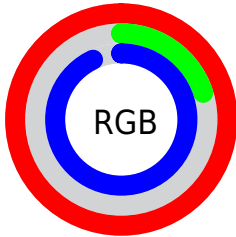
Format	Color
R _Y B	255, 51, 237
Decimal	16724973
CIE Lab	61.43, 89.64, -49.06
CIE LCh	61, 102.186, 331.304
Yxy	29.7421, 0.3389, 0.1747
Android (android.graphics.Color)	4294915053 (0xFFFF33ED)
YUV	133.2000, 51.1734, 106.8186
Hunter-Lab	54.5363, 93.4487, -51.8635

Details

The XYZ color **57.7099, 29.7421, 82.8199** 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 **38.2005, 72.6540, 17.6426**, and the grayscale version is **22.1734, 23.3282, 25.4044**.

A 20% lighter version of the original color is **66.2495, 42.3991, 99.2998**, and **30.4864, 14.7646, 44.4231** is the 20% darker color. If you saturate the color by 10%, you get **56.5581, 27.9612, 80.8244**, and if you desaturate by 10%, it is **59.4770, 32.7468, 85.0415**.

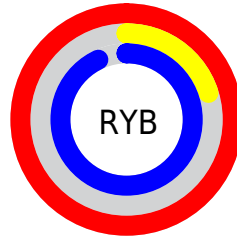
Distribution



Red (100%)

Green (20%)

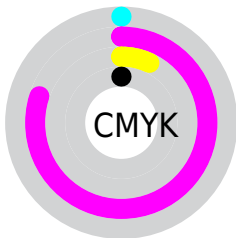
Blue (93%)



Red (100%)

Yellow (20%)

Blue (93%)

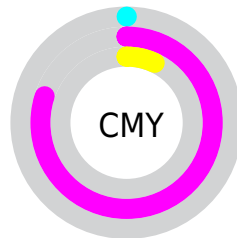


Cyan (0%)

Magenta (80%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 57.7099, 29.7421, 82.8199 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 57.7099, 29.7421, 82.8199 by changing the saturation by 10% instead.


 57.7099, 29.7421,
82.8199


 57.7099, 29.7421,
82.8199

406.0754,
300.7005, 524.3414


 41.8178, 19.6429,
61.5018


 100.6257, 59.2541,
139.1702


 29.1492, 12.1357,
44.1971


 128.3801, 79.4357,
175.0395


 19.3385, 6.8362,
30.4872


 160.8193,
103.7469, 216.5962

 12.0206, 3.3599,
19.9535

 198.3088,
132.5720, 264.2590

 6.8300, 1.3224,
12.1775

 241.2137,
166.2956, 318.4464

 3.4014, 0.1584,
6.7407

289.8996,

 1.3694, 0.0000,

205.3019, 379.5769

3.2245

344.7317,
249.9754, 448.0690

■ 0.2343, 0.0000,
1.2104

■ 0.0000, 0.0000,
0.0000

■ 57.7099, 29.7421,
82.8199

■ 57.7099, 29.7421,
82.8199

■ 56.5581, 27.9612,
80.8244

■ 59.4770, 32.7468,
85.0415

■ 55.8768, 27.1150,
79.0057

■ 61.9448, 37.1462,
87.5168

■ 55.8765, 27.1146,
79.0048

■ 65.1872, 43.0883,
90.2708

■ 69.2681, 50.7008,
93.3248

■ 74.2450, 60.0984,
96.6982

■ 80.1701, 71.3858,
100.4083

■ 87.0916, 84.6593,
104.4714

■ 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.



44.0202, 29.7421, 146.5319



57.7099, 29.7421, 82.8199



62.9839, 29.7421, 30.7205

Triad

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



57.7099, 29.7421, 82.8199



27.6820, 29.7421, 0.2626



11.3813, 29.7421, 88.4254

Complementary

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



57.7099, 29.7421, 82.8199



38.2005, 72.6540, 17.6426

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.



9.4454, 29.7421, 34.1067



57.7099, 29.7421, 82.8199



16.8102, 29.7421, 1.3415

Square

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



57.7099, 29.7421, 82.8199



42.6590, 29.7421, 1.1489



11.0620, 29.7421, 8.1935



17.5446, 29.7421, 151.2121

Rectangle

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



57.7099, 29.7421, 82.8199



60.0164, 29.7421, 12.1834



11.0620, 29.7421, 8.1935



10.3223, 29.7421, 67.6119

Sweetspot

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



57.7105, 29.7433, 82.8205



77.6799, 66.6316, 98.8808



21.6192, 10.8182, 95.5564



16.1808, 13.4130, 20.8837



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.



57.7105, 29.7433, 82.8205



56.1158, 27.3875, 79.7187



46.8689, 25.4066, 25.7292



18.7195, 18.2711, 22.4058



29.2253, 14.1794, 41.4325



2.8650, 1.3884, 4.1366

Inverse Universe

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



57.7105, 29.7433, 82.8205



56.1158, 27.3875, 79.7187



44.3822, 75.1267, 50.1947



18.7195, 18.2711, 22.4058



29.2253, 14.1794, 41.4325



2.8650, 1.3884, 4.1366

Previews

White Background



This preview shows how the XYZ color 57.7099, 29.7421, 82.8199 looks on a white background.

Color Contrast Check

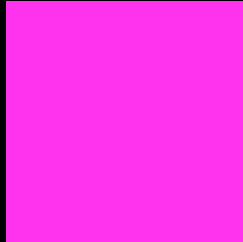
Large Text (above 18pt) WCAG AA ✓ Pass

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 57.7099, 29.7421, 82.8199 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 57.7099, 29.7421, 82.8199

Background



This preview shows how black text looks on a background with the XYZ color 57.7099, 29.7421, 82.8199.



This preview shows how white text looks on a background with the XYZ color 57.7099, 29.7421,

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

57.7099, 29.7421, 82.8199

Protanopia

33.2124, 30.0675, 98.6609

Deuteranopia

30.8545, 30.0723, 74.6993



Tritanopia

44.1296, 29.4841, 17.8331

Trichromacy



Original Color

57.7099, 29.7421, 82.8199



Protanomaly

36.1453, 25.1148, 91.7495



Deuteranomaly

35.5650, 25.4667, 77.1698



Tritanomaly

47.4518, 28.3610, 34.4257

Monochromacy



Original Color

57.7099, 29.7421, 82.8199



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

30.3324, 21.9879, 41.1735

CSS Examples

Text

The CSS property to change the color of the text to XYZ 57.7099, 29.7421, 82.8199 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, 51, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 51, 237)  
}
```

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, 51, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 51, 237) }
```

Border

The CSS property to change the border of an element to XYZ 57.7099, 29.7421, 82.8199 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, 51, 237) }
```


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

```
.border{ border-color:rgb(255, 51, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 51, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 51, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 51, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 51,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 57.7099, 29.7421, 82.8199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 51, 237) }
```

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

```
.background{ background-color: rgb(255, 51,  
237) }
```

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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