

Converting Colors

XYZ(51.9878, 28.6492, 72.5036)

Have a look what the booklet for
XYZ(51.9878, 28.6492, 72.5036)
contains.

XYZ(51.8481, 28.5350, 72.5871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(51.8481, 28.5350,
72.5871)**

Conversions

Conversions Part 1

Format	Color
Hex	F147DF
RGB	241, 71, 223
RGB Percent	95%, 28%, 87%
CMY	0.0549, 0.7215, 0.1255
CMYK	0.00, 0.71, 0.07, 0.05
HSL	306°, 86%, 61%
HSV	306°, 71%, 95%
XYZ	51.8481, 28.5350, 72.5871
YIQ	139.1580, 52.5280, 83.3120

Conversions

Conversions Part 2

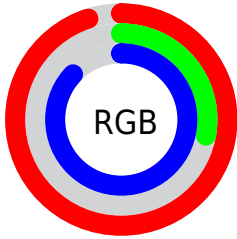
Format	Color
R_{YB}	241, 71, 223
Decimal	15812575
CIE _{Lab}	60.37, 79.36, -43.04
CIE _{LCh}	60, 90.285, 331.526
Yxy	28.5350, 0.3389, 0.1865
Android (android.graphics.Color)	4294002655 (0xFFFF147DF)
YUV	139.1580, 41.3341, 89.3154
Hunter-Lab	53.4182, 79.7718, -43.1733

Details

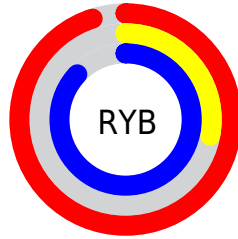
The XYZ color **51.8481, 28.5350, 72.5871** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light washed magenta. A complement of this color would be **35.8584, 64.9725, 20.1044**, and the grayscale version is **24.4349, 25.7075, 27.9954**.

A 20% lighter version of the original color is **67.6775, 45.2551, 99.7758**, and **26.0311, 12.6138, 37.6219** is the 20% darker color. If you saturate the color by 10%, you get **50.2666, 25.9178, 70.3753**, and if you desaturate by 10%, it is **54.0442, 32.3716, 75.0298**.

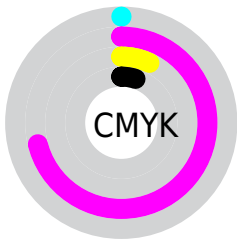
Distribution



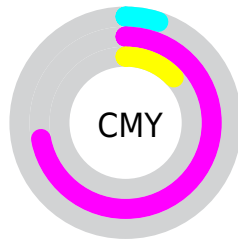
- Red (95%)
- Green (28%)
- Blue (87%)



- Red (95%)
- Yellow (28%)
- Blue (87%)



- Cyan (0%)
- Magenta (71%)
- Yellow (7%)
- Black (5%)





- Cyan (5%)
- Magenta (72%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.8481, 28.5350, 72.5871 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 51.8481, 28.5350, 72.5871 by changing the saturation by 10% instead.


 51.8481, 28.5350,
72.5871


 51.8481, 28.5350,
72.5871

384.1835,
295.0146, 488.6149


 37.1078, 18.7293,
53.1486

 92.0827, 57.3375,
124.6063

 25.4650, 11.4749,
37.5329


 118.3078, 77.1031,
158.0242

 16.5544, 6.3872,
25.3214


 149.0918,
100.9574, 196.9390

 10.0106, 3.0819,
16.0954

 184.8001,
129.2850, 241.7691

 5.4683, 1.1747,
9.4366

225.7980,
162.4700, 292.9333

 2.5621, 0.0409,
4.9264

272.4510,

 0.9267, 0.0000,

200.8971, 350.8499

2.1461

325.1244,
244.9505, 415.9376

■ 0.0000, 0.0000,
0.6430

■ 0.0000, 0.0000,
0.0000

■ 51.8481, 28.5350,
72.5871

■ 51.8481, 28.5350,
72.5871

■ 50.2666, 25.9178,
70.3753

■ 54.0442, 32.3716,
75.0298

■ 49.2199, 24.3627,
68.3670


■ 56.9159, 37.5518,
77.7232

■ 48.6036, 23.6320,
66.6144


■ 60.5203, 44.1891,
80.6867


■ 64.9076, 52.3839,
83.9370

 70.1237, 62.2276,
87.4896

 76.2106, 73.8045,
91.3587

 83.2077, 87.1934,
95.5573

 88.2766, 96.7172,
99.1396

 88.6656, 96.8728,
101.1883

Harmonies

Analogous

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



40.5440, 28.5350, 123.5943



51.8481, 28.5350, 72.5871



56.1055, 28.5350, 29.3986

Triad

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



51.8481, 28.5350, 72.5871



26.5317, 28.5350, 0.9670



12.1999, 28.5350, 77.9024

Complementary

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



51.8481, 28.5350, 72.5871



35.8584, 64.9725, 20.1044

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.



10.3707, 28.5350, 32.8031



51.8481, 28.5350, 72.5871



17.0463, 28.5350, 2.2290

Square

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



51.8481, 28.5350, 72.5871



39.2131, 28.5350, 1.9479



11.8543, 28.5350, 9.4746



17.8128, 28.5350, 127.9169

Rectangle

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



51.8481, 28.5350, 72.5871



53.6286, 28.5350, 13.0241



11.8543, 28.5350, 9.4746



11.2081, 28.5350, 60.9157

Sweetspot

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



51.8491, 28.5364, 72.5877



79.3820, 70.1035, 99.2397



22.1565, 12.9337, 84.5485



16.6218, 14.3064, 20.9955



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.



51.8491, 28.5364, 72.5877



56.5135, 28.4912, 78.9006



43.1904, 25.0729, 26.9916



16.3779, 16.0009, 19.5464



26.3866, 12.8271, 36.2822



2.2157, 1.0753, 3.1265

Inverse Universe

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



51.8491, 28.5364, 72.5877



56.5135, 28.4912, 78.9006



41.5981, 67.2684, 50.3290



16.3779, 16.0009, 19.5464



26.3866, 12.8271, 36.2822



2.2157, 1.0753, 3.1265

Previews

White Background



This preview shows how the XYZ color 51.8481, 28.5350, 72.5871 looks on a white background.

Color Contrast Check

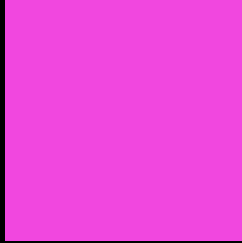
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.8481, 28.5350, 72.5871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

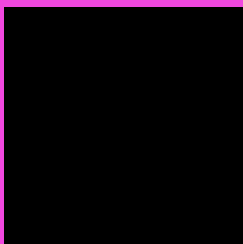
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.8481, 28.5350, 72.5871

Background



This preview shows how black text looks on a background with the XYZ color 51.8481, 28.5350, 72.5871.



This preview shows how white text looks on a background with the XYZ color 51.8481, 28.5350,

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

51.8481, 28.5350, 72.5871

Protanopia

32.2372, 28.8932, 98.4856

Deuteranopia

29.6168, 28.9262, 66.3097



Tritanopia

40.8244, 28.3460, 19.2392

Trichromacy



Original Color

51.8481, 28.5350, 72.5871



Protanomaly

34.4557, 25.1649, 87.8353



Deuteranomaly

33.9774, 25.7013, 68.1358



Tritanomaly

43.6788, 27.6542, 33.6075

Monochromacy



Original Color

51.8481, 28.5350, 72.5871



Achromatopsia

24.5403, 25.8183, 28.1161



Achromatomaly

31.1775, 24.1670, 41.0517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.8481, 28.5350, 72.5871 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(241, 71, 223)` looks like.

```
.text, #text, p{  
    color:rgb(241, 71, 223)  
}
```

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(241, 71, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 71, 223) }
```

Border

The CSS property to change the border of an element to XYZ 51.8481, 28.5350, 72.5871 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(241, 71, 223) }
```


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

```
.border{ border-color:rgb(241, 71, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 71, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 71, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 71, 223);  
box-shadow:4px 4px 4px 4px rgb(241, 71,  
223) }
```

Background

The CSS property to change the background color of an element to XYZ 51.8481, 28.5350, 72.5871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 71, 223) }
```

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

```
.background{ background-color: rgb(241, 71,  
223) }
```

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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