

Converting Colors

XYZ(105.3753, 56.6813,
47.8950)

Have a look what the booklet for
XYZ(105.3753, 56.6813, 47.8950)
contains.

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Color

**XYZ(51.5668, 28.8950,
45.5072)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | FF46B3 |
| RGB | 255, 70, 179 |
| RGB Percent | 100%, 27%, 70% |
| CMY | 0.0000, 0.7254, 0.2980 |
| CMYK | 0.00, 0.73, 0.30, 0.00 |
| HSL | 325°, 100%, 64% |
| HSV | 325°, 73%, 100% |
| XYZ | 51.5668, 28.8950, 45.5072 |
| YIQ | 137.7410, 75.2710, 73.1190 |

Conversions

Conversions Part 2

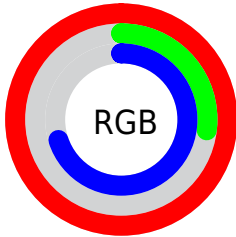
| Format | Color |
|-------------------------------------|---|
| RYB | 255, 70, 179 |
| Decimal | 16729779 |
| CIELab | 60.69, 77.24, -17.31 |
| CIElCh | 61, 79.161, 347.369 |
| Yxy | 28.8950, 0.4094, 0.2294 |
| Android (android.graphics.Color) | 4294919859 (0xFFFF46B3) |
| YUV | 137.7410, 20.3407, 102.8361 |
| Hunter-Lab | 53.7541, 77.1672, -12.5660 |

Details

The XYZ color **51.5668, 28.8950, 45.5072** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **43.4759, 74.8982, 39.3643**, and the grayscale version is **23.9658, 25.2139, 27.4580**.

A 20% lighter version of the original color is **64.6229, 44.0332, 83.6905**, and **26.0140, 12.9757, 20.8721** is the 20% darker color. If you saturate the color by 10%, you get **49.2767, 25.9465, 39.7133**, and if you desaturate by 10%, it is **54.6156, 33.2318, 51.9517**.

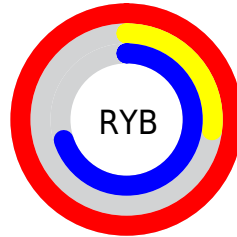
Distribution



Red (100%)

Green (27%)

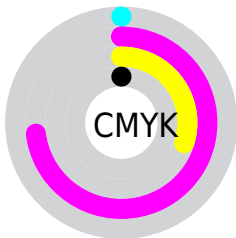
Blue (70%)



Red (100%)

Yellow (27%)

Blue (70%)

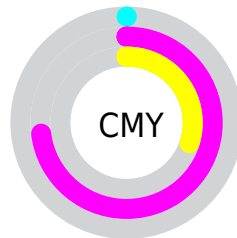


Cyan (0%)

Magenta (73%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (73%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.5668, 28.8950, 45.5072 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 51.5668, 28.8950, 45.5072 by changing the saturation by 10% instead.


 51.5668, 28.8950,
45.5072


 51.5668, 28.8950,
45.5072


383.1134,
296.7192, 385.0437


 36.8828, 19.0014,
31.5113


 91.6701, 57.9102,
84.8075


 25.2900, 11.6713,
20.7268


 117.8200, 77.8006,
110.9489

 16.4231, 6.5203,
12.7351


 148.5226,
101.7921, 141.9760

 9.9168, 3.1639,
7.1178

 184.1433,
130.2690, 178.3071

 5.4057, 1.2179,
3.4563

225.0473,
163.6158, 220.3609

 2.5244, 0.0763,
1.3321

271.6001,

 0.9076, 0.0000,

202.2168, 268.5559

0.0879

324.1670,
246.4565, 323.3107

■ 0.0000, 0.0000,
0.0000

■ 51.5668, 28.8950,
45.5072

■ 51.5668, 28.8950,
45.5072

■ 49.2767, 25.9465,
39.7133

■ 54.6156, 33.2318,
51.9517

■ 47.6487, 24.1964,
34.5283


■ 58.4987, 39.1056,
59.0797


■ 46.7641, 23.4697,
31.0197

■ 63.2844, 46.6506,
66.9226

■ 69.0334, 55.9851,
75.5084

■ 75.8006, 67.2166,
84.8634

 83.6366, 80.4441,
95.0119

 92.5888, 95.7596,
105.9772

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.



44.6882, 28.8950, 87.3493



51.5668, 28.8950, 45.5072



50.9270, 28.8950, 17.4283

Triad

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



51.5668, 28.8950, 45.5072



21.9848, 28.8950, 2.4771



16.1508, 28.8950, 94.0371

Complementary

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



51.5668, 28.8950, 45.5072



43.4759, 74.8982, 39.3643

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.



12.6087, 28.8950, 51.5247



51.5668, 28.8950, 45.5072



15.3547, 28.8950, 6.6111

Square

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



51.5668, 28.8950, 45.5072



32.0085, 28.8950, 2.2616



12.3592, 28.8950, 20.6519



23.3711, 28.8950, 125.0880

Rectangle

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



51.5668, 28.8950, 45.5072



46.3188, 28.8950, 8.1179



12.3592, 28.8950, 20.6519



14.5779, 28.8950, 79.7306

Sweetspot

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



51.5676, 28.8965, 45.5077



76.1991, 67.8843, 85.3951



31.7438, 17.5318, 96.3186



15.8914, 13.8305, 17.7160



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.



51.5676, 28.8965, 45.5077



48.4759, 25.0312, 37.3304



45.2136, 26.3549, 12.0478



18.4584, 18.1667, 21.0312



24.5113, 12.2938, 16.6089



2.4409, 1.2187, 1.9032

Inverse Universe

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



51.5676, 28.8965, 45.5077



48.4759, 25.0312, 37.3304



53.4999, 78.9078, 92.1502



18.4584, 18.1667, 21.0312



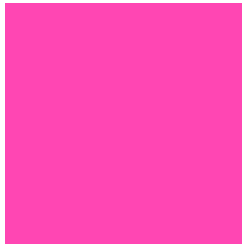
24.5113, 12.2938, 16.6089



2.4409, 1.2187, 1.9032

Previews

White Background



This preview shows how the XYZ color 51.5668, 28.8950, 45.5072 looks on a white background.

Color Contrast Check

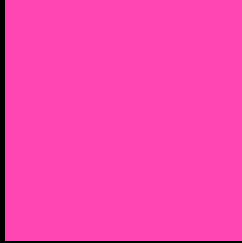
Large Text (above 18pt) WCAG AA ✓ Pass

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 51.5668, 28.8950, 45.5072 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

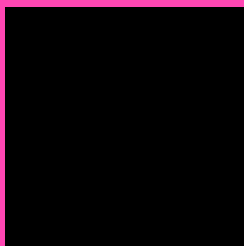
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 51.5668, 28.8950, 45.5072

Background



This preview shows how black text looks on a background with the XYZ color 51.5668, 28.8950, 45.5072.



This preview shows how white text looks on a background with the XYZ color 51.5668, 28.8950,

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

51.5668, 28.8950, 45.5072

Protanopia

31.3488, 29.2834, 80.3439

Deuteranopia

29.5616, 28.9935, 41.5744



Tritanopia

45.2334, 28.8693, 14.9926

Trichromacy



Original Color

51.5668, 28.8950, 45.5072



Protanomaly

33.8886, 25.5260, 66.0917



Deuteranomaly

34.5273, 26.1993, 42.7723



Tritanomaly

46.9284, 28.5647, 23.4622

Monochromacy



Original Color

51.5668, 28.8950, 45.5072



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

30.7110, 23.9339, 33.1381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.5668, 28.8950, 45.5072 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, 70, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 179)  
}
```

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, 70, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 179) }
```

Border

The CSS property to change the border of an element to XYZ 51.5668, 28.8950, 45.5072 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, 70, 179) }
```


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

```
.border{ border-color:rgb(255, 70, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 70, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 70,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 51.5668, 28.8950, 45.5072 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 179) }
```

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

```
.background{ background-color: rgb(255, 70,  
179) }
```

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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