

Converting Colors

XYZ(47.2810, 28.2697, 38.3828)

Have a look what the booklet for
XYZ(47.2810, 28.2697, 38.3828)
contains.

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Color

**XYZ(47.2701, 28.2904,
38.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	F454A5
RGB	244, 84, 165
RGB Percent	96%, 33%, 65%
CMY	0.0431, 0.6706, 0.3529
CMYK	0.00, 0.66, 0.32, 0.04
HSL	330°, 88%, 64%
HSV	330°, 66%, 96%
XYZ	47.2701, 28.2904, 38.5665
YIQ	141.0740, 69.3590, 59.1110

Conversions

Conversions Part 2

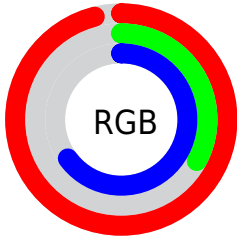
Format	Color
R_{YB}	244, 84, 165
Decimal	16012453
CIE _{Lab}	60.15, 67.91, -10.21
CIE _{LCh}	60, 68.674, 351.446
Yxy	28.2904, 0.4142, 0.2479
Android (android.graphics.Color)	4294202533 (0xFFFF454A5)
YUV	141.0740, 11.7955, 90.2661
Hunter-Lab	53.1887, 65.5570, -5.7584

Details

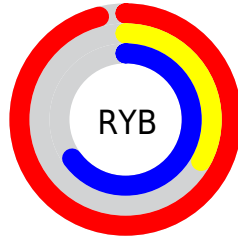
The XYZ color **47.2701, 28.2904, 38.5665** is a light color, and the websafe version is hex **FF3399**. The color can be described as light muted rose. A complement of this color would be **42.6194, 69.2314, 45.7714**, and the grayscale version is **25.2841, 26.6008, 28.9683**.

A 20% lighter version of the original color is **63.8313, 45.7733, 73.1810**, and **22.5199, 11.2812, 16.6133** is the 20% darker color. If you saturate the color by 10%, you get **44.6496, 24.7224, 32.5350**, and if you desaturate by 10%, it is **50.6548, 33.2211, 45.3629**.

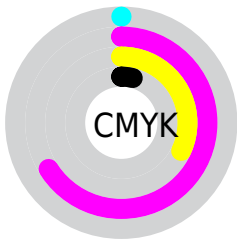
Distribution



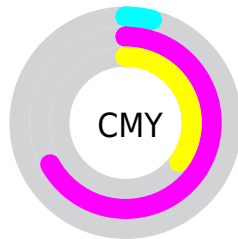
- Red (96%)
- Green (33%)
- Blue (65%)



- Red (96%)
- Yellow (33%)
- Blue (65%)



- Cyan (0%)
- Magenta (66%)
- Yellow (32%)
- Black (4%)





- Cyan (4%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.2701, 28.2904, 38.5665 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 47.2701, 28.2904, 38.5665 by changing the saturation by 10% instead.


 47.2701, 28.2904,
38.5665


 47.2701, 28.2904,
38.5665


366.5226,
293.8520, 355.4147

 33.4581, 18.5447,
26.1174


 85.3329, 56.9477,
74.1886

 22.6385, 11.3417,
16.6850


 110.3145, 76.6282,
98.1988

 14.4460, 6.2972,
9.8505


 139.7499,
100.3889, 126.8997

 8.5153, 3.0266,
5.1957

 174.0045,
128.6145, 160.7099

 4.4810, 1.1456,
2.3018

213.4438,
161.6891, 200.0480

 1.9777, 0.0166,
0.7322

258.4329,

 0.6214, 0.0000,

199.9973, 245.3324

0.0000

309.3374,
243.9235, 296.9818

■ 0.0000, 0.0000,
0.0000

■ 47.2701, 28.2904,
38.5665

■ 47.2701, 28.2904,
38.5665

■ 44.6496, 24.7224,
32.5350

■ 50.6548, 33.2211,
45.3629

■ 42.7161, 22.3678,
27.2280

■ 54.8656, 39.6344,
52.9577


■ 41.3787, 21.0493,
22.6008


■ 59.9604, 47.6419,
61.3834


■ 40.9160, 20.6762,
20.7439

■ 65.9912, 57.3433,
70.6697

■ 73.0055, 68.8298,
80.8446

 81.0476, 82.1864,
91.9346

 90.1592, 97.4924,
103.9649

 91.1183, 97.9731,
108.7160

Harmonies

Analogous

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



42.3651, 28.2904, 71.8164



47.2701, 28.2904, 38.5665



45.8557, 28.2904, 16.2948

Triad

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



47.2701, 28.2904, 38.5665



21.1783, 28.2904, 4.1625



17.6823, 28.2904, 86.1732

Complementary

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



47.2701, 28.2904, 38.5665



42.6194, 69.2314, 45.7714

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.



14.0408, 28.2904, 52.0718



47.2701, 28.2904, 38.5665



15.7323, 28.2904, 9.4317

Square

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



47.2701, 28.2904, 38.5665



29.4784, 28.2904, 3.4657



13.4143, 28.2904, 24.1590



24.4562, 28.2904, 107.5873

Rectangle

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



47.2701, 28.2904, 38.5665



41.6279, 28.2904, 8.6078



13.4143, 28.2904, 24.1590



16.1185, 28.2904, 75.1533

Sweetspot

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



47.2709, 28.2919, 38.5670



77.0902, 70.1486, 84.2055



34.2665, 20.4861, 87.7362



16.0389, 14.2600, 17.3506



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.



47.2709, 28.2919, 38.5670



48.4992, 26.2410, 33.7525



42.1864, 26.2581, 11.7924



16.8492, 16.6225, 18.9523



22.3170, 11.2703, 11.6438



2.0134, 1.0113, 1.2967

Inverse Universe

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



47.2709, 28.2919, 38.5670



48.4992, 26.2410, 33.7525



51.9348, 72.9575, 94.8256



16.8492, 16.6225, 18.9523



22.3170, 11.2703, 11.6438



2.0134, 1.0113, 1.2967

Previews

White Background



This preview shows how the XYZ color 47.2701, 28.2904, 38.5665 looks on a white background.

Color Contrast Check

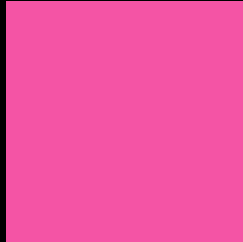
Large Text (above 18pt) WCAG AA ✓ Pass

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 47.2701, 28.2904, 38.5665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

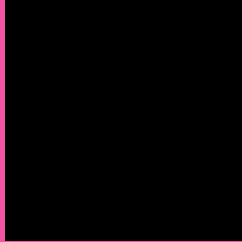
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 47.2701, 28.2904, 38.5665

Background



This preview shows how black text looks on a background with the XYZ color 47.2701, 28.2904, 38.5665.



This preview shows how white text looks on a background with the XYZ color 47.2701, 28.2904,

38.5665.

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

47.2701, 28.2904, 38.5665

Protanopia

29.5672, 28.5368, 62.3423

Deuteranopia

28.9371, 28.3541, 35.8460



Tritanopia

42.5141, 28.1060, 16.5489

Trichromacy



Original Color

47.2701, 28.2904, 38.5665



Protanomaly

32.7257, 26.1157, 52.6062



Deuteranomaly

33.5552, 26.5358, 36.6111



Tritanomaly

44.0207, 28.0618, 23.1750

Monochromacy



Original Color

47.2701, 28.2904, 38.5665



Achromatopsia

25.3171, 26.6356, 29.0061



Achromatomaly

30.5816, 25.0999, 32.0871

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.2701, 28.2904, 38.5665 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(244, 84, 165)` looks like.

```
.text, #text, p{  
    color:rgb(244, 84, 165)  
}
```

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(244, 84, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 84, 165) }
```

Border

The CSS property to change the border of an element to XYZ 47.2701, 28.2904, 38.5665 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(244, 84, 165) }
```


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

```
.border{ border-color:rgb(244, 84, 165) }
```

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

Here you see how a box with a 4 pixel rgb(244, 84, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 84, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 84, 165);  
box-shadow:4px 4px 4px 4px rgb(244, 84,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 47.2701, 28.2904, 38.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 84, 165) }
```

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

```
.background{ background-color: rgb(244, 84,  
165) }
```

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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