

Converting Colors

XYZ(48.0716, 27.1385, 28.2062)

Have a look what the booklet for
XYZ(48.0716, 27.1385, 28.2062)
contains.

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Color

**XYZ(48.0707, 27.1094,
28.2902)**

Conversions

Conversions Part 1

Format	Color
Hex	FF428E
RGB	255, 66, 142
RGB Percent	100%, 26%, 56%
CMY	0.0000, 0.7411, 0.4431
CMYK	0.00, 0.74, 0.44, 0.00
HSL	336°, 100%, 63%
HSV	336°, 74%, 100%
XYZ	48.0707, 27.1094, 28.2902
YIQ	131.1750, 88.2480, 63.7040

Conversions

Conversions Part 2

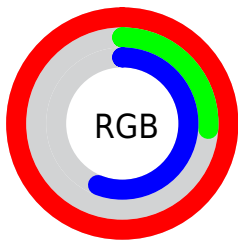
Format	Color
R _Y B	255, 66, 142
Decimal	16728718
CIE Lab	59.08, 74.77, 1.82
CIE LCh	59, 74.789, 1.394
Yxy	27.1094, 0.4646, 0.2620
Android (android.graphics.Color)	4294918798 (0xFFFF428E)
YUV	131.1750, 5.3367, 108.5945
Hunter-Lab	52.0667, 73.6839, 4.2317

Details

The XYZ color **48.0707, 27.1094, 28.2902** 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 **46.1455, 75.9338, 54.8790**, and the grayscale version is **21.5973, 22.7220, 24.7443**.

A 20% lighter version of the original color is **58.9406, 40.9006, 56.4179**, and **23.6700, 11.9792, 11.1899** is the 20% darker color. If you saturate the color by 10%, you get **45.8308, 24.3383, 22.2767**, and if you desaturate by 10%, it is **51.1320, 31.2729, 35.3505**.

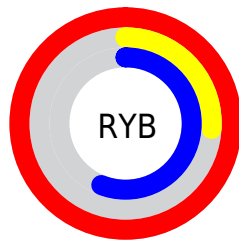
Distribution



Red (100%)

Green (26%)

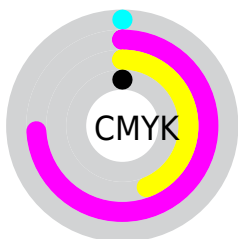
Blue (56%)



Red (100%)

Yellow (26%)

Blue (56%)

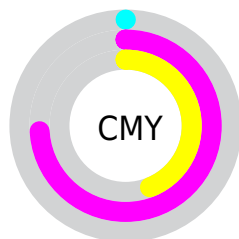


Cyan (0%)

Magenta (74%)

Yellow (44%)

Black (0%)



Cyan (0%)


Magenta (74%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0707, 27.1094, 28.2902 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 48.0707, 27.1094, 28.2902 by changing the saturation by 10% instead.


 48.0707, 27.1094,
28.2902


 48.0707, 27.1094,
28.2902


369.6502,
288.1864, 307.8065

 34.0944, 17.6554,
18.3036

 86.5187, 55.0594,
57.9761


 23.1293, 10.7029,
10.9965

 111.7211, 74.3241,
78.5125


 14.8103, 5.8674,
5.9503


 141.3962, 97.6279,
103.4025

 8.7718, 2.7646,
2.7466

 175.9094,
125.3552, 133.0647

 4.6485, 1.0101,
0.9667

 215.6261,
157.8903, 167.9177

 2.0752, 0.0000,
0.0000

260.9115,

 0.6757, 0.0000,

195.6176, 208.3799

0.0000

312.1311,
238.9215, 254.8700

■ 0.0000, 0.0000,
0.0000

■ 48.0707, 27.1094,
28.2902

■ 48.0707, 27.1094,
28.2902

■ 45.8308, 24.3383,
22.2767

■ 51.1320, 31.2729,
35.3505

■ 44.3082, 22.7609,
17.2435

■ 55.0967, 36.9832,
43.5137

■ 43.6646, 22.2298,
14.6980

■ 60.0387, 44.3787,
52.8325

■ 66.0231, 53.5813,
63.3551

■ 73.1092, 64.7014,
75.1267

■ 81.3518, 77.8405,
88.1897

■ 90.8019, 93.0931,
102.5844

■ 95.0499, 100.0000,
108.9000

Harmonies

Analogous

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



44.8487, 27.1094, 61.4156



48.0707, 27.1094, 28.2902



44.2227, 27.1094, 10.0820

Triad

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



48.0707, 27.1094, 28.2902



17.5358, 27.1094, 3.8423



18.1247, 27.1094, 101.0744

Complementary

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



48.0707, 27.1094, 28.2902



46.1455, 75.9338, 54.8790

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.



13.3276, 27.1094, 64.9968



48.0707, 27.1094, 28.2902



13.0495, 27.1094, 11.1726

Square

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



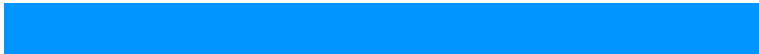
48.0707, 27.1094, 28.2902



25.3345, 27.1094, 2.2244



11.7155, 27.1094, 30.7798



26.2037, 27.1094, 115.8995

Rectangle

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



48.0707, 27.1094, 28.2902



38.5985, 27.1094, 4.8706



11.7155, 27.1094, 30.7798



16.1498, 27.1094, 90.2698

Sweetspot

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



48.0714, 27.1109, 28.2906



74.7525, 67.3057, 77.7774



37.9612, 20.3778, 96.5401



15.5507, 13.6942, 15.9216



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.



48.0714, 27.1109, 28.2906



45.0044, 23.4320, 19.6987



45.2231, 27.6522, 8.1102



18.3120, 18.1081, 20.2601



22.8847, 11.6432, 8.0434



2.2805, 1.1546, 1.0585

Inverse Universe

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



48.0714, 27.1109, 28.2906



45.0044, 23.4320, 19.6987



51.2376, 70.2587, 105.4684



18.3120, 18.1081, 20.2601



22.8847, 11.6432, 8.0434



2.2805, 1.1546, 1.0585

Previews

White Background



This preview shows how the XYZ color 48.0707, 27.1094, 28.2902 looks on a white background.

Color Contrast Check

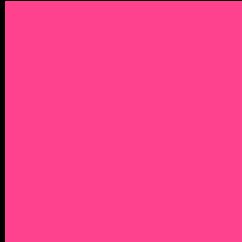
Large Text (above 18pt) WCAG AA ✓ Pass

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 48.0707, 27.1094, 28.2902 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 48.0707, 27.1094, 28.2902

Background



This preview shows how black text looks on a background with the XYZ color 48.0707, 27.1094, 28.2902.



This preview shows how white text looks on a background with the XYZ color 48.0707, 27.1094,

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

48.0707, 27.1094, 28.2902

Protanopia

27.7004, 27.3834, 50.8393

Deuteranopia

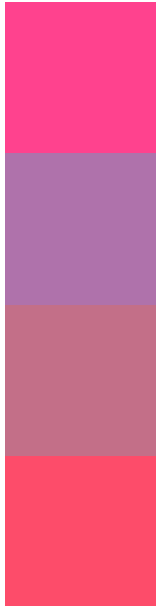
27.6765, 27.0584, 25.9544



Tritanopia

44.7270, 27.2362, 11.4941

Trichromacy



Original Color

48.0707, 27.1094, 28.2902

Protanomaly

31.0472, 24.0889, 41.5413

Deuteranomaly

32.6341, 24.7486, 26.3495

Tritanomaly

45.6940, 27.0921, 16.4566

Monochromacy



Original Color

48.0707, 27.1094, 28.2902

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

27.5354, 21.4948, 25.6193

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0707, 27.1094, 28.2902 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, 66, 142)` looks like.

```
.text, #text, p{  
    color:rgb(255, 66, 142)  
}
```

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, 66, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 66, 142) }
```

Border

The CSS property to change the border of an element to XYZ 48.0707, 27.1094, 28.2902 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, 66, 142) }
```


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

```
.border{ border-color:rgb(255, 66, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 66, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 66, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 66, 142);  
box-shadow:4px 4px 4px 4px rgb(255, 66,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0707, 27.1094, 28.2902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 66, 142) }
```

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

```
.background{ background-color: rgb(255, 66,  
142) }
```

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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