

Converting Colors

$Y_{xy}(22.9298, 0.4759, 0.2567)$

Have a look what the booklet for
Yxy(22.9298, 0.4759, 0.2567)
contains.

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Color

Yxy(22.9321, 0.4751, 0.2564)

Conversions

Conversions Part 1

Format	Color
Hex	F42F84
RGB	244, 47, 132
RGB Percent	96%, 18%, 52%
CMY	0.0431, 0.8157, 0.4824
CMYK	0.00, 0.81, 0.46, 0.04
HSL	334°, 90%, 57%
HSV	334°, 81%, 96%
XYZ	42.4924, 22.9321, 24.0143
YIQ	115.5930, 90.1270, 68.1990

Conversions

Conversions Part 2

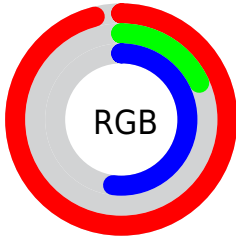
Format	Color
RYB	244, 47, 132
Decimal	16002948
CIELab	55.00, 76.28, 1.58
CIElCh	55, 76.292, 1.187
Yxy	22.9321, 0.4751, 0.2564
Android (android.graphics.Color)	4294193028 (0xFFFF42F84)
YUV	115.5930, 8.0887, 112.6129
Hunter-Lab	47.8875, 74.5867, 3.7889

Details

The Yxy color **22.9321, 0.4751, 0.2564** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **67.8161, 0.2628, 0.4479**, and the grayscale version is **17.2875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7974, 0.3921, 0.2576**, and **10.5696, 0.5143, 0.2607** is the 20% darker color. If you saturate the color by 10%, you get **21.1428, 0.5040, 0.2606**, and if you desaturate by 10%, it is **25.8631, 0.4459, 0.2576**.

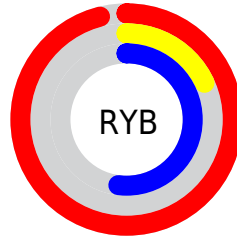
Distribution



Red (96%)

Green (18%)

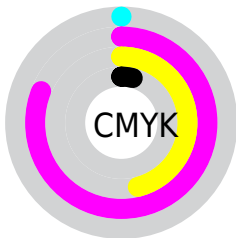
Blue (52%)



Red (96%)

Yellow (18%)

Blue (52%)

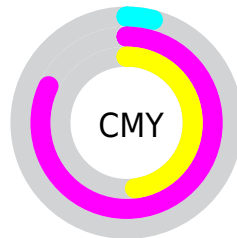


Cyan (0%)

Magenta (81%)

Yellow (46%)

Black (4%)



Cyan (4%)


Magenta (82%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9321, 0.4751, 0.2564 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 Yxy color 22.9321, 0.4751, 0.2564 by changing the saturation by 10% instead.


 22.9321, 0.4751,
0.2564


 22.9321, 0.4751,
0.2564


267.3761, 0.3856,
0.2967


 14.5434, 0.5000,
0.2450


 48.2818, 0.4406,
0.2720


 8.4996, 0.5335,
0.2297


 66.0116, 0.4283,
0.2776


 4.4162, 0.5802,
0.2081

 87.6238, 0.4181,
0.2822

 1.9090, 0.6487,
0.1761

 113.5030, 0.4095,
0.2861

 0.5538, 0.7713,
0.1210

 144.0334, 0.4022,
0.2893

 0.0000, 1.0000,
0.0000

179.5994, 0.3959,

 0.0000, 0.0000,

0.2922

0.0000

220.5855, 0.3904,
0.2946

■ 22.9321, 0.4751,
0.2564

■ 22.9321, 0.4751,
0.2564

■ 21.1428, 0.5040,
0.2606

■ 25.8631, 0.4459,
0.2576


■ 20.2608, 0.5290,
0.2688


■ 30.0926, 0.4181,
0.2632

■ 35.7564, 0.3930,
0.2720

■ 42.9720, 0.3711,
0.2827

■ 51.8447, 0.3525,
0.2943

 62.4705, 0.3369,
0.3060

 74.9380, 0.3240,
0.3174

 89.3298, 0.3134,
0.3282

 97.9752, 0.3060,
0.3290

Harmonies

Analogous

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



22.9321, 0.3362, 0.1956



22.9321, 0.4751, 0.2564



22.9321, 0.5592, 0.3294

Triad

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



22.9321, 0.4751, 0.2564



22.9321, 0.3611, 0.5752



22.9321, 0.1142, 0.1763

Complementary

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



22.9321, 0.4751, 0.2564



67.8161, 0.2628, 0.4479

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.



22.9321, 0.1162, 0.2511



22.9321, 0.4751, 0.2564



22.9321, 0.2484, 0.5474

Square

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



22.9321, 0.4751, 0.2564



22.9321, 0.4693, 0.5015



22.9321, 0.1587, 0.3947



22.9321, 0.1458, 0.1510

Rectangle

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



22.9321, 0.4751, 0.2564



22.9321, 0.5613, 0.3821



22.9321, 0.1587, 0.3947



22.9321, 0.1111, 0.1945

Sweetspot

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



22.9334, 0.4751, 0.2564



64.9327, 0.3417, 0.3022



15.8987, 0.2348, 0.1182



13.0023, 0.3473, 0.2980



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.9334, 0.4751, 0.2564



22.6493, 0.5216, 0.2662



22.6854, 0.5877, 0.3380



16.6012, 0.3226, 0.3188



11.0417, 0.5250, 0.2666



0.9907, 0.4932, 0.2491

Inverse Universe

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



22.9334, 0.4751, 0.2564



22.6493, 0.5216, 0.2662



64.2196, 0.2237, 0.3120



16.6012, 0.3226, 0.3188



11.0417, 0.5250, 0.2666



0.9907, 0.4932, 0.2491

Previews

White Background



This preview shows how the Yxy color 22.9321, 0.4751, 0.2564 looks on a white background.

Color Contrast Check

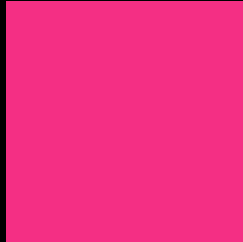
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 22.9321, 0.4751, 0.2564 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](#).

Yxy 22.9321, 0.4751, 0.2564

Background



This preview shows how black text looks on a background with the Yxy color 22.9321, 0.4751, 0.2564.



This preview shows how white text looks on a background with the Yxy color 22.9321, 0.4751, 0.2564.

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

22.9321, 0.4751, 0.2564

Protanopia

23.1121, 0.2542, 0.2480

Deuteranopia

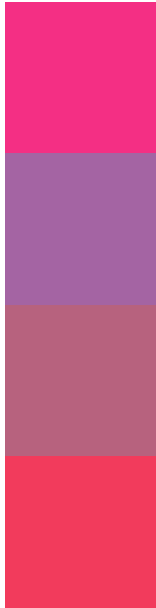
22.8798, 0.3439, 0.3375



Tritanopia

23.0269, 0.5588, 0.3274

Trichromacy



Original Color

22.9321, 0.4751, 0.2564

Protanomaly

19.6512, 0.3183, 0.2363

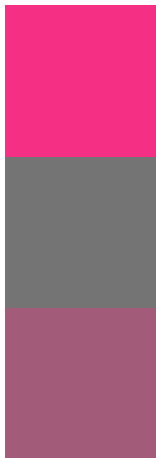
Deuteranomaly

20.3090, 0.3942, 0.2894

Tritanomaly

22.7779, 0.5327, 0.3025

Monochromacy



Original Color

22.9321, 0.4751, 0.2564

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

16.6738, 0.3759, 0.2803

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9321, 0.4751, 0.2564 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, 47, 132)` looks like.

```
.text, #text, p{  
    color:rgb(244, 47, 132)  
}
```

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, 47, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 47, 132) }
```

Border

The CSS property to change the border of an element to Yxy 22.9321, 0.4751, 0.2564 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, 47, 132) }
```

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

```
.border{ border-color:rgb(244, 47, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 47, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 47, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 47, 132);  
box-shadow:4px 4px 4px 4px rgb(244, 47,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9321, 0.4751, 0.2564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 47, 132) }
```

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

```
.background{ background-color: rgb(244, 47,  
132) }
```

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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