

Converting Colors

$Y_{xy}(21.8891, 0.4629, 0.2386)$

Have a look what the booklet for
Yxy(21.8891, 0.4629, 0.2386)
contains.

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Color

Yxy(21.9249, 0.4623, 0.2381)

Conversions

Conversions Part 1

Format	Color
Hex	F41A8E
RGB	244, 26, 142
RGB Percent	96%, 10%, 56%
CMY	0.0430, 0.8985, 0.4431
CMYK	0.00, 0.89, 0.42, 0.04
HSL	328°, 91%, 53%
HSV	328°, 89%, 96%
XYZ	42.5698, 21.9249, 27.5880
YIQ	104.4060, 92.6920, 82.2920

Conversions

Conversions Part 2

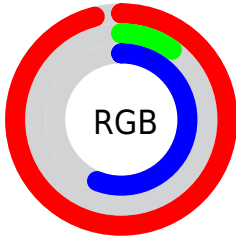
Format	Color
R_{YB}	244, 26, 142
Decimal	15997582
CIE _{Lab}	53.95, 81.06, -5.96
CIE _{LCh}	54, 81.275, 355.796
Yxy	21.9249, 0.4623, 0.2381
Android (android.graphics.Color)	4294187662 (0xFFFF41A8E)
YUV	104.4060, 18.5338, 122.4239
Hunter-Lab	46.8240, 80.3404, -2.1559

Details

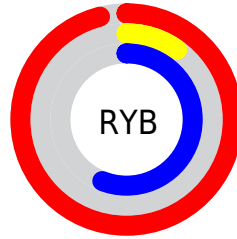
The Yxy color **21.9249, 0.4623, 0.2381** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **66.4947, 0.2728, 0.4946**, and the grayscale version is **13.8721, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1462, 0.3811, 0.2385**, and **10.7178, 0.4934, 0.2492** is the 20% darker color. If you saturate the color by 10%, you get **20.8992, 0.4843, 0.2445**, and if you desaturate by 10%, it is **23.8589, 0.4394, 0.2369**.

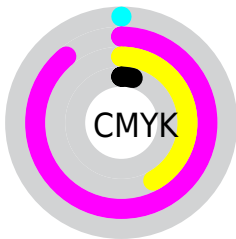
Distribution



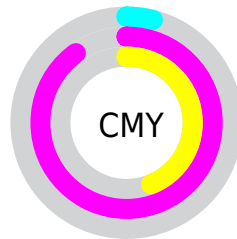
- Red (96%)
- Green (10%)
- Blue (56%)



- Red (96%)
- Yellow (10%)
- Blue (56%)



- Cyan (0%)
- Magenta (89%)
- Yellow (42%)
- Black (4%)



- Cyan (4%)
- Magenta (90%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9249, 0.4623, 0.2381 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 21.9249, 0.4623, 0.2381 by changing the saturation by 10% instead.


 21.9249, 0.4623,
0.2381


 21.9249, 0.4623,
0.2381


262.1538, 0.3804,
0.2867

 13.8017, 0.4850,
0.2251


 46.6218, 0.4308,
0.2565

 7.9829, 0.5154,
0.2079


 63.9644, 0.4195,
0.2632


 4.0840, 0.5579,
0.1845


 85.1489, 0.4102,
0.2687

 1.7207, 0.6202,
0.1513

 110.5597, 0.4023,
0.2735

 0.4370, 0.7272,
0.0897

 140.5812, 0.3956,
0.2775

 0.0000, 1.0000,
0.0000

175.5978, 0.3898,

 0.0000, 0.0000,

0.2810

0.0000

215.9939, 0.3848,
0.2840

■ 21.9249, 0.4623,
0.2381

■ 21.9249, 0.4623,
0.2381

■ 20.8992, 0.4843,
0.2445

■ 23.8589, 0.4394,
0.2369

■ 20.8485, 0.4857,
0.2449

■ 26.9399, 0.4167,
0.2410

■ 31.3248, 0.3953,
0.2494

■ 37.1445, 0.3758,
0.2609

■ 44.5141, 0.3586,
0.2742

■ 53.5366, 0.3438,
0.2884

■ 64.3062, 0.3313,
0.3027

■ 76.9101, 0.3209,
0.3166

■ 91.4294, 0.3122,
0.3298

Harmonies

Analogous

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



21.9249, 0.3108, 0.1788



21.9249, 0.4623, 0.2381



21.9249, 0.5685, 0.3117

Triad

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



21.9249, 0.4623, 0.2381



21.9249, 0.3801, 0.5814



21.9249, 0.1020, 0.1756

Complementary

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



21.9249, 0.4623, 0.2381



66.4947, 0.2728, 0.4946

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.



21.9249, 0.1096, 0.2654



21.9249, 0.4623, 0.2381



21.9249, 0.2613, 0.5859

Square

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



21.9249, 0.4623, 0.2381



21.9249, 0.4926, 0.4887



21.9249, 0.1610, 0.4335



21.9249, 0.1282, 0.1431

Rectangle

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



21.9249, 0.4623, 0.2381



21.9249, 0.5807, 0.3645



21.9249, 0.1610, 0.4335



21.9249, 0.1006, 0.1976

Sweetspot

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



21.9262, 0.4623, 0.2381



61.7582, 0.3407, 0.2918



11.8321, 0.2062, 0.0955



12.4101, 0.3453, 0.2868



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.



21.9262, 0.4623, 0.2381



23.0307, 0.4861, 0.2452



20.0832, 0.6186, 0.3272



16.6300, 0.3210, 0.3165



11.3607, 0.4823, 0.2431



1.0193, 0.4565, 0.2288

Inverse Universe

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



21.9262, 0.4623, 0.2381



23.0307, 0.4861, 0.2452



71.0395, 0.2285, 0.3380



16.6300, 0.3210, 0.3165



11.3607, 0.4823, 0.2431



1.0193, 0.4565, 0.2288

Previews

White Background



This preview shows how the Yxy color 21.9249, 0.4623, 0.2381 looks on a white background.

Color Contrast Check

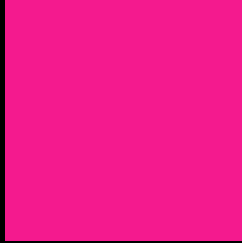
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9249, 0.4623, 0.2381 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 21.9249, 0.4623, 0.2381

Background



This preview shows how black text looks on a background with the Yxy color 21.9249, 0.4623, 0.2381.



This preview shows how white text looks on a background with the Yxy color 21.9249, 0.4623, 0.2381.

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

21.9249, 0.4623, 0.2381

Protanopia

22.2794, 0.2274, 0.2136

Deuteranopia

22.2504, 0.3240, 0.3188



Tritanopia

21.9302, 0.5701, 0.3283

Trichromacy



Original Color

21.9249, 0.4623, 0.2381



Protanomaly

17.4776, 0.2869, 0.1988



Deuteranomaly

18.5549, 0.3754, 0.2632



Tritanomaly

21.5700, 0.5389, 0.2964

Monochromacy



Original Color

21.9249, 0.4623, 0.2381



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.4455, 0.3759, 0.2609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9249, 0.4623, 0.2381 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, 26, 142)` looks like.

```
.text, #text, p{  
    color:rgb(244, 26, 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(244, 26, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 26, 142) }
```

Border

The CSS property to change the border of an element to Yxy 21.9249, 0.4623, 0.2381 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, 26, 142) }
```

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

```
.border{ border-color:rgb(244, 26, 142) }
```

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

Here you see how a box with a 4 pixel rgb(244, 26, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 26, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 26, 142);  
box-shadow:4px 4px 4px 4px rgb(244, 26,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9249, 0.4623, 0.2381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 26, 142) }
```

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

```
.background{ background-color: rgb(244, 26,  
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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