

Converting Colors

$Y_{xy}(22.0331, 0.4701, 0.2429)$

Have a look what the booklet for
Yxy(22.0331, 0.4701, 0.2429)
contains.

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Color

Yxy(22.0313, 0.4700, 0.2429)

Conversions

Conversions Part 1

Format	Color
Hex	F51B8A
RGB	245, 27, 138
RGB Percent	96%, 11%, 54%
CMY	0.0393, 0.8937, 0.4589
CMYK	0.00, 0.89, 0.44, 0.04
HSL	329°, 92%, 53%
HSV	329°, 89%, 96%
XYZ	42.6295, 22.0313, 26.0403
YIQ	104.8360, 94.2970, 80.7370

Conversions

Conversions Part 2

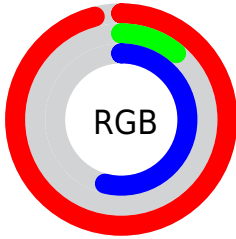
Format	Color
R_{YB}	245, 27, 138
Decimal	16063370
CIE _{Lab}	54.06, 80.75, -3.35
CIE _{LCh}	54, 80.817, 357.624
Yxy	22.0313, 0.4700, 0.2429
Android (android.graphics.Color)	4294253450 (0xFFFF51B8A)
YUV	104.8360, 16.3499, 122.9238
Hunter-Lab	46.9375, 79.9764, -0.0370

Details

The Yxy color **22.0313, 0.4700, 0.2429** 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 **67.2534, 0.2706, 0.4864**, and the grayscale version is **14.0320, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1247, 0.3869, 0.2440**, and **10.6497, 0.5027, 0.2543** is the 20% darker color. If you saturate the color by 10%, you get **20.9709, 0.4934, 0.2497**, and if you desaturate by 10%, it is **24.0329, 0.4456, 0.2414**.

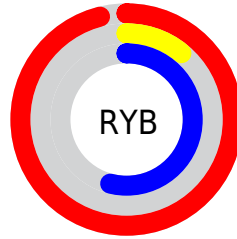
Distribution



Red (96%)

Green (11%)

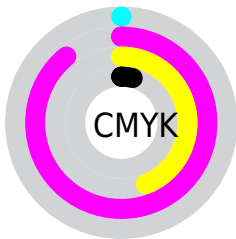
Blue (54%)



Red (96%)

Yellow (11%)

Blue (54%)

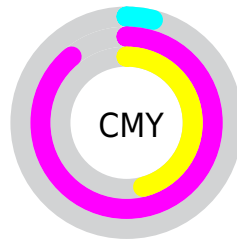


Cyan (0%)

Magenta (89%)

Yellow (44%)

Black (4%)



Cyan (4%)


Magenta (89%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0313, 0.4700, 0.2429 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 22.0313, 0.4700, 0.2429 by changing the saturation by 10% instead.


 22.0313, 0.4700,
0.2429


 22.0313, 0.4700,
0.2429


262.7097, 0.3836,
0.2895


 13.8799, 0.4940,
0.2302


 46.7977, 0.4367,
0.2607

 8.0372, 0.5262,
0.2133


 64.1815, 0.4248,
0.2671


 4.1187, 0.5713,
0.1901

 85.4116, 0.4149,
0.2724

 1.7402, 0.6372,
0.1568

 110.8723, 0.4067,
0.2769

 0.4495, 0.7519,
0.0951

 140.9481, 0.3996,
0.2808

 0.0000, 1.0000,
0.0000

176.0233, 0.3935,

 0.0000, 0.0000,

0.2841

0.0000

216.4824, 0.3882,
0.2870

■ 22.0313, 0.4700,
0.2429

■ 22.0313, 0.4700,
0.2429

■ 20.9709, 0.4934,
0.2497

■ 24.0329, 0.4456,
0.2414

■ 20.8812, 0.4959,
0.2505

■ 27.2033, 0.4215,
0.2452

■ 31.6994, 0.3987,
0.2532

■ 37.6529, 0.3781,
0.2643

■ 45.1793, 0.3601,
0.2771

■ 54.3824, 0.3447,
0.2908

■ 65.3572, 0.3317,
0.3045

■ 78.1913, 0.3208,
0.3177

■ 92.9666, 0.3118,
0.3303

Harmonies

Analogous

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



22.0313, 0.3196, 0.1825



22.0313, 0.4700, 0.2429



22.0313, 0.5700, 0.3168

Triad

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



22.0313, 0.4700, 0.2429



22.0313, 0.3730, 0.5840



22.0313, 0.1035, 0.1733

Complementary

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



22.0313, 0.4700, 0.2429



67.2534, 0.2706, 0.4864

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.



22.0313, 0.1090, 0.2583



22.0313, 0.4700, 0.2429



22.0313, 0.2550, 0.5786

Square

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



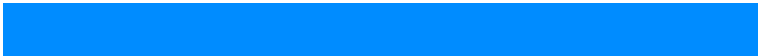
22.0313, 0.4700, 0.2429



22.0313, 0.4859, 0.4946



22.0313, 0.1574, 0.4212



22.0313, 0.1318, 0.1433

Rectangle

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



22.0313, 0.4700, 0.2429



22.0313, 0.5781, 0.3698



22.0313, 0.1574, 0.4212



22.0313, 0.1015, 0.1939

Sweetspot

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



22.0326, 0.4700, 0.2429



61.6713, 0.3420, 0.2934



12.3197, 0.2097, 0.0977



12.3897, 0.3469, 0.2886



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.



22.0326, 0.4700, 0.2429



22.8651, 0.4963, 0.2508



20.2959, 0.6199, 0.3286



16.6233, 0.3214, 0.3170



11.2791, 0.4923, 0.2486



1.0121, 0.4650, 0.2335

Inverse Universe

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



22.0326, 0.4700, 0.2429



22.8651, 0.4963, 0.2508



71.9006, 0.2273, 0.3333



16.6233, 0.3214, 0.3170



11.2791, 0.4923, 0.2486



1.0121, 0.4650, 0.2335

Previews

White Background



This preview shows how the Yxy color 22.0313, 0.4700, 0.2429 looks on a white background.

Color Contrast Check

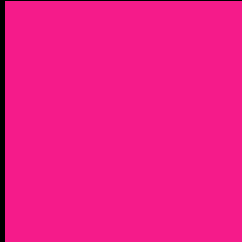
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0313, 0.4700, 0.2429 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 22.0313, 0.4700, 0.2429

Background



This preview shows how black text looks on a background with the Yxy color 22.0313, 0.4700, 0.2429.



This preview shows how white text looks on a background with the Yxy color 22.0313, 0.4700, 0.2429.

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

22.0313, 0.4700, 0.2429

Protanopia

22.5043, 0.2343, 0.2231

Deuteranopia

22.3199, 0.3310, 0.3257



Tritanopia

22.1656, 0.5730, 0.3284

Trichromacy



Original Color

22.0313, 0.4700, 0.2429



Protanomaly

17.7063, 0.2971, 0.2080



Deuteranomaly

18.6816, 0.3842, 0.2694



Tritanomaly

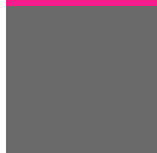
21.6315, 0.5431, 0.2979

Monochromacy



Original Color

22.0313, 0.4700, 0.2429



Achromatopsia

14.1263, 0.3127, 0.3290



Achromatomaly

13.6600, 0.3789, 0.2644

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0313, 0.4700, 0.2429 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(245, 27, 138)` looks like.

```
.text, #text, p{  
    color:rgb(245, 27, 138)  
}
```

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(245, 27, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 27, 138) }
```

Border

The CSS property to change the border of an element to Yxy 22.0313, 0.4700, 0.2429 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(245, 27, 138) }
```

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

```
.border{ border-color:rgb(245, 27, 138) }
```

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

Here you see how a box with a 4 pixel rgb(245, 27, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 27, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 27, 138);  
box-shadow:4px 4px 4px 4px rgb(245, 27,  
138) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 22.0313, 0.4700, 0.2429$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 27, 138) }
```

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

```
.background{ background-color: rgb(245, 27,  
138) }
```

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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