

Converting Colors

$Y_{xy}(21.9602, 0.4660, 0.2397)$

Have a look what the booklet for
Yxy(21.9602, 0.4660, 0.2397)
contains.

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Color

Yxy(22.0012, 0.4669, 0.2403)

Conversions

Conversions Part 1

Format	Color
Hex	F5198C
RGB	245, 25, 140
RGB Percent	96%, 10%, 55%
CMY	0.0391, 0.9025, 0.4509
CMYK	0.00, 0.90, 0.43, 0.04
HSL	329°, 92%, 53%
HSV	329°, 90%, 96%
XYZ	42.7481, 22.0012, 26.8080
YIQ	103.8900, 94.2050, 82.4050

Conversions

Conversions Part 2

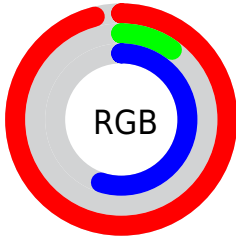
Format	Color
R_{YB}	245, 25, 140
Decimal	16062860
CIE _{Lab}	54.03, 81.24, -4.61
CIE _{LCh}	54, 81.371, 356.750
Yxy	22.0012, 0.4669, 0.2403
Android (android.graphics.Color)	4294252940 (0xFFFF5198C)
YUV	103.8900, 17.8022, 123.7535
Hunter-Lab	46.9054, 80.5945, -1.0523

Details

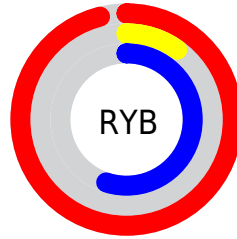
The Yxy color **22.0012, 0.4669, 0.2403** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **67.1419, 0.2721, 0.4926**, and the grayscale version is **13.7253, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0109, 0.3847, 0.2413**, and **10.6833, 0.4980, 0.2517** is the 20% darker color. If you saturate the color by 10%, you get **20.9942, 0.4894, 0.2471**, and if you desaturate by 10%, it is **23.9038, 0.4435, 0.2386**.

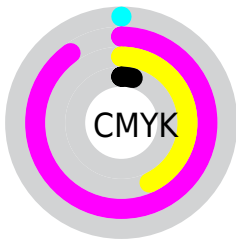
Distribution



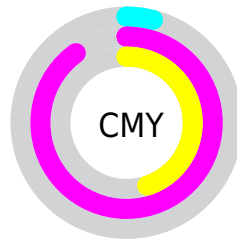
- Red (96%)
- Green (10%)
- Blue (55%)



- Red (96%)
- Yellow (10%)
- Blue (55%)



- Cyan (0%)
- Magenta (90%)
- Yellow (43%)
- Black (4%)



- Cyan (4%)
- Magenta (90%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.0012, 0.4669, 0.2403 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 22.0012, 0.4669, 0.2403 by changing the saturation by 10% instead.


 22.0012, 0.4669,
0.2403


 22.0012, 0.4669,
0.2403


262.5525, 0.3823,
0.2880

 13.8578, 0.4904,
0.2274


 46.7480, 0.4344,
0.2584


 8.0218, 0.5218,
0.2104


 64.1201, 0.4227,
0.2650

 4.1089, 0.5657,
0.1870

 85.3373, 0.4131,
0.2704

 1.7347, 0.6300,
0.1537

 110.7839, 0.4050,
0.2751

 0.4460, 0.7405,
0.0923

 140.8444, 0.3980,
0.2790

 0.0000, 1.0000,
0.0000

175.9030, 0.3921,

 0.0000, 0.0000,

0.2824

0.0000

216.3443, 0.3869,
0.2854

■ 22.0012, 0.4669,
0.2403

■ 22.0012, 0.4669,
0.2403

■ 20.9942, 0.4894,
0.2471

■ 23.9038, 0.4435,
0.2386

■ 20.9819, 0.4898,
0.2472

■ 26.9576, 0.4201,
0.2422

■ 31.3227, 0.3980,
0.2503

■ 37.1323, 0.3780,
0.2614

■ 44.5033, 0.3603,
0.2745

■ 53.5404, 0.3451,
0.2884

■ 64.3391, 0.3322,
0.3025

■ 76.9879, 0.3215,
0.3162

■ 91.5689, 0.3126,
0.3292

Harmonies

Analogous

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



22.0012, 0.3154, 0.1803



22.0012, 0.4669, 0.2403



22.0012, 0.5702, 0.3141

Triad

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



22.0012, 0.4669, 0.2403



22.0012, 0.3763, 0.5836



22.0012, 0.1023, 0.1739

Complementary

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



22.0012, 0.4669, 0.2403



67.1419, 0.2721, 0.4926

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.



22.0012, 0.1087, 0.2613



22.0012, 0.4669, 0.2403



22.0012, 0.2576, 0.5832

Square

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



22.0012, 0.4669, 0.2403



22.0012, 0.4894, 0.4920



22.0012, 0.1586, 0.4274



22.0012, 0.1296, 0.1428

Rectangle

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



22.0012, 0.4669, 0.2403



22.0012, 0.5802, 0.3671



22.0012, 0.1586, 0.4274



22.0012, 0.1005, 0.1952

Sweetspot

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



22.0025, 0.4669, 0.2403



61.7234, 0.3413, 0.2924



11.8433, 0.2056, 0.0948



12.4019, 0.3459, 0.2876



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.



22.0025, 0.4669, 0.2403



22.9634, 0.4902, 0.2474



20.2141, 0.6198, 0.3273



16.6273, 0.3211, 0.3167



11.3276, 0.4863, 0.2453



1.0164, 0.4599, 0.2307

Inverse Universe

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



22.0025, 0.4669, 0.2403



22.9634, 0.4902, 0.2474



71.6886, 0.2285, 0.3380



16.6273, 0.3211, 0.3167



11.3276, 0.4863, 0.2453



1.0164, 0.4599, 0.2307

Previews

White Background



This preview shows how the Yxy color 22.0012, 0.4669, 0.2403 looks on a white background.

Color Contrast Check

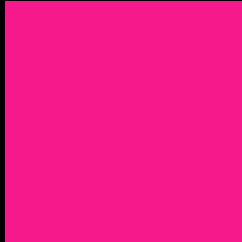
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0012, 0.4669, 0.2403 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 22.0012, 0.4669, 0.2403

Background



This preview shows how black text looks on a background with the Yxy color 22.0012, 0.4669, 0.2403.



This preview shows how white text looks on a background with the Yxy color 22.0012, 0.4669, 0.2403.

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

22.0012, 0.4669, 0.2403

Protanopia

22.5188, 0.2310, 0.2191

Deuteranopia

22.2842, 0.3275, 0.3222



Tritanopia

22.1656, 0.5730, 0.3284

Trichromacy



Original Color

22.0012, 0.4669, 0.2403



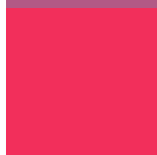
Protanomaly

17.5546, 0.2925, 0.2029



Deuteranomaly

18.4497, 0.3801, 0.2649



Tritanomaly

21.6485, 0.5416, 0.2970

Monochromacy



Original Color

22.0012, 0.4669, 0.2403



Achromatopsia

13.8432, 0.3127, 0.3290



Achromatomaly

13.2851, 0.3780, 0.2610

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.0012, 0.4669, 0.2403 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, 25, 140)` looks like.

```
.text, #text, p{  
    color:rgb(245, 25, 140)  
}
```

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, 25, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 25, 140) }
```

Border

The CSS property to change the border of an element to Yxy 22.0012, 0.4669, 0.2403 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, 25, 140) }
```

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

```
.border{ border-color:rgb(245, 25, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 25, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 25, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 25, 140);  
box-shadow:4px 4px 4px 4px rgb(245, 25,  
140) }
```


Background

The CSS property to change the background color of an element to Yxy 22.0012, 0.4669, 0.2403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 25, 140) }
```

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

```
.background{ background-color: rgb(245, 25,  
140) }
```

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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