

Converting Colors

$Y_{xy}(21.2870, 0.4826, 0.2432)$

Have a look what the booklet for
Yxy(21.2870, 0.4826, 0.2432)
contains.

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Color

Yxy(21.2863, 0.4822, 0.2430)

Conversions

Conversions Part 1

Format	Color
Hex	F60085
RGB	246, 0, 133
RGB Percent	96%, 0%, 52%
CMY	0.0353, 0.9998, 0.4784
CMYK	0.00, 1.00, 0.46, 0.04
HSL	328°, 100%, 48%
HSV	328°, 100%, 96%
XYZ	42.2397, 21.2863, 24.0719
YIQ	88.7160, 103.9230, 93.5150

Conversions

Conversions Part 2

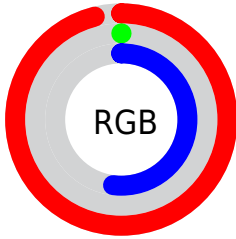
Format	Color
R_{YB}	246, 0, 133
Decimal	16121989
CIE _{Lab}	53.26, 83.02, -1.52
CIE _{LCh}	53, 83.034, 358.953
Yxy	21.2863, 0.4822, 0.2430
Android (android.graphics.Color)	4294312069 (0xFFFF60085)
YUV	88.7160, 21.8320, 137.9381
Hunter-Lab	46.1371, 82.6816, 1.3615

Details

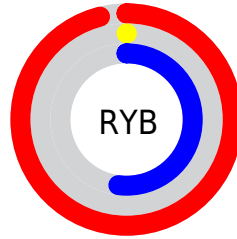
The Yxy color **21.2863, 0.4822, 0.2430** is a dark color, and the websafe version is hex **FF3399**. The color can be described as dark saturated rose. A complement of this color would be **67.1057, 0.2770, 0.5172**, and the grayscale version is **9.8656, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5405, 0.3945, 0.2429**, and **10.7074, 0.5131, 0.2600** is the 20% darker color. If you saturate the color by 10%, you get **21.2856, 0.4822, 0.2430**, and if you desaturate by 10%, it is **22.2965, 0.4607, 0.2366**.

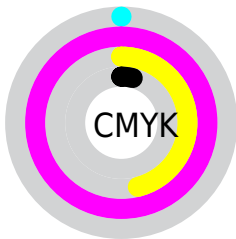
Distribution



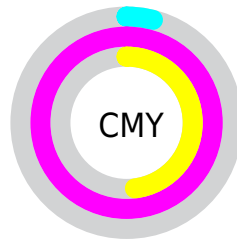
- Red (96%)
- Green (0%)
- Blue (52%)



- Red (96%)
- Yellow (0%)
- Blue (52%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.2863, 0.4822, 0.2430 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 21.2863, 0.4822, 0.2430 by changing the saturation by 10% instead.


 21.2863, 0.4822,
0.2430


 21.2863, 0.4822,
0.2430


258.7961, 0.3885,
0.2902

 13.3334, 0.5084,
0.2299


 45.5635, 0.4460,
0.2611

 7.6586, 0.5435,
0.2125


 62.6567, 0.4331,
0.2677

 3.8773, 0.5926,
0.1883

 83.5654, 0.4224,
0.2731

 1.6051, 0.6643,
0.1533

 108.6741, 0.4134,
0.2776

 0.3611, 0.8018,
0.0832

 138.3671, 0.4058,
0.2815

 0.0000, 1.0000,
0.0000

 173.0288, 0.3992,

 0.0000, 0.0000,

0.2848

0.0000

213.0437, 0.3935,
0.2877

■ 21.2863, 0.4822,
0.2430

■ 21.2863, 0.4822,
0.2430

■ 21.2856, 0.4822,
0.2430

■ 22.2965, 0.4607,
0.2366

■ 24.1981, 0.4383,
0.2353

■ 27.2581, 0.4161,
0.2392

■ 31.6370, 0.3950,
0.2476

■ 37.4696, 0.3757,
0.2591

■ 44.8739, 0.3588,
0.2726

■ 53.9557, 0.3441,
0.2869

■ 64.8114, 0.3317,
0.3015

■ 77.5303, 0.3213,
0.3156

Harmonies

Analogous

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



21.2863, 0.3260, 0.1807



21.2863, 0.4822, 0.2430



21.2863, 0.5809, 0.3180

Triad

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



21.2863, 0.4822, 0.2430



21.2863, 0.3663, 0.5948



21.2863, 0.0992, 0.1661

Complementary

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



21.2863, 0.4822, 0.2430



67.1057, 0.2770, 0.5172

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.



21.2863, 0.1026, 0.2493



21.2863, 0.4822, 0.2430



21.2863, 0.2460, 0.5857

Square

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



21.2863, 0.4822, 0.2430



21.2863, 0.4840, 0.5015



21.2863, 0.1487, 0.4157



21.2863, 0.1293, 0.1381

Rectangle

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



21.2863, 0.4822, 0.2430



21.2863, 0.5846, 0.3718



21.2863, 0.1487, 0.4157



21.2863, 0.0965, 0.1860

Sweetspot

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



21.2876, 0.4822, 0.2430



58.4595, 0.3442, 0.2868



10.0172, 0.1913, 0.0827



11.5741, 0.3501, 0.2807



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.



21.2876, 0.4822, 0.2430



23.0902, 0.4826, 0.2432



19.6216, 0.6363, 0.3279



16.6324, 0.3209, 0.3163



11.3901, 0.4789, 0.2412



1.0218, 0.4536, 0.2272

Inverse Universe

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



21.2876, 0.4822, 0.2430



23.0902, 0.4826, 0.2432



71.8356, 0.2290, 0.3444



16.6324, 0.3209, 0.3163



11.3901, 0.4789, 0.2412



1.0218, 0.4536, 0.2272

Previews

White Background



This preview shows how the Yxy color 21.2863, 0.4822, 0.2430 looks on a white background.

Color Contrast Check

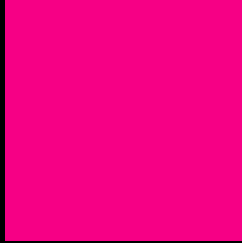
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.2863, 0.4822, 0.2430 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 21.2863, 0.4822, 0.2430

Background



This preview shows how black text looks on a background with the Yxy color 21.2863, 0.4822, 0.2430.



This preview shows how white text looks on a background with the Yxy color 21.2863, 0.4822, 0.2430.

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

21.2863, 0.4822, 0.2430

Protanopia

22.1103, 0.2359, 0.2252

Deuteranopia

21.6850, 0.3373, 0.3308



Tritanopia

21.6805, 0.5862, 0.3298

Trichromacy



Original Color

21.2863, 0.4822, 0.2430



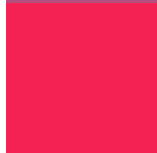
Protanomaly

16.0942, 0.3018, 0.1991



Deuteranomaly

16.8276, 0.3960, 0.2619



Tritanomaly

20.8079, 0.5595, 0.2981

Monochromacy



Original Color

21.2863, 0.4822, 0.2430



Achromatopsia

9.9899, 0.3127, 0.3290



Achromatomaly

10.0572, 0.3928, 0.2490

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.2863, 0.4822, 0.2430 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(246, 0, 133)` looks like.

```
.text, #text, p{  
    color:rgb(246, 0, 133)  
}
```

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(246, 0, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 0, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.2863, 0.4822, 0.2430 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(246, 0, 133) }
```

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

```
.border{ border-color:rgb(246, 0, 133) }
```

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

Here you see how a box with a 4 pixel rgb(246, 0, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 0, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 0, 133);  
box-shadow:4px 4px 4px 4px rgb(246, 0,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.2863, 0.4822, 0.2430 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 0, 133) }
```

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

```
.background{ background-color: rgb(246, 0,  
133) }
```

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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