

Converting Colors

$Y_{xy}(21.8239, 0.4811, 0.2532)$

Have a look what the booklet for
Yxy(21.8239, 0.4811, 0.2532)
contains.

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Color

Yxy(21.8417, 0.4819, 0.2535)

Conversions

Conversions Part 1

Format	Color
Hex	F32381
RGB	243, 35, 129
RGB Percent	95%, 14%, 51%
CMY	0.0471, 0.8624, 0.4941
CMYK	0.00, 0.86, 0.47, 0.05
HSL	333°, 90%, 55%
HSV	333°, 86%, 95%
XYZ	41.5208, 21.8417, 22.7981
YIQ	107.9080, 93.7940, 73.3300

Conversions

Conversions Part 2

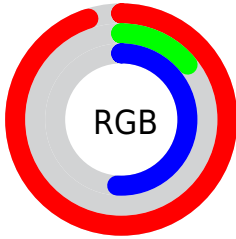
Format	Color
R_{YB}	243, 35, 129
Decimal	15934337
CIE _{Lab}	53.86, 78.27, 1.68
CIE _{LCh}	54, 78.287, 1.233
Yxy	21.8417, 0.4819, 0.2535
Android (android.graphics.Color)	4294124417 (0xFFFF32381)
YUV	107.9080, 10.3984, 118.4757
Hunter-Lab	46.7351, 76.7979, 3.7920

Details

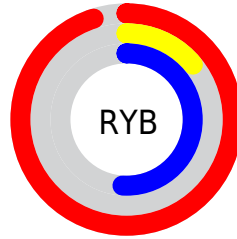
The Yxy color **21.8417, 0.4819, 0.2535** is a dark color, and the websafe version is hex **FF3399**. The color can be described as middle washed rose. A complement of this color would be **66.6195, 0.2649, 0.4623**, and the grayscale version is **14.9316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.3625, 0.3972, 0.2552**, and **10.2825, 0.5190, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **20.5391, 0.5088, 0.2599**, and if you desaturate by 10%, it is **24.1808, 0.4539, 0.2526**.

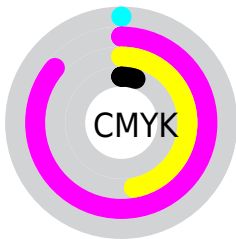
Distribution



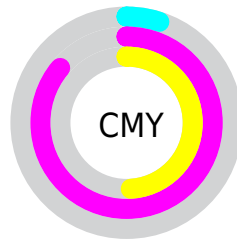
- Red (95%)
- Green (14%)
- Blue (51%)



- Red (95%)
- Yellow (14%)
- Blue (51%)



- Cyan (0%)
- Magenta (86%)
- Yellow (47%)
- Black (5%)




- Cyan (5%)
- Magenta (86%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8417, 0.4819, 0.2535 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 21.8417, 0.4819, 0.2535 by changing the saturation by 10% instead.


 21.8417, 0.4819,
0.2535


 21.8417, 0.4819,
0.2535


261.7185, 0.3882,
0.2957


 13.7406, 0.5082,
0.2415


 46.4842, 0.4456,
0.2699

 7.9405, 0.5436,
0.2253


 63.7945, 0.4327,
0.2758


 4.0569, 0.5931,
0.2024

 84.9432, 0.4220,
0.2806

 1.7054, 0.6657,
0.1684

 110.3149, 0.4130,
0.2846

 0.4272, 0.8120,
0.1037

 140.2938, 0.4054,
0.2880

 0.0000, 1.0000,
0.0000

175.2645, 0.3988,

 0.0000, 0.0000,

0.2910

0.0000

215.6112, 0.3931,
0.2935

■ 21.8417, 0.4819,
0.2535

■ 21.8417, 0.4819,
0.2535

■ 20.5391, 0.5088,
0.2599

■ 24.1808, 0.4539,
0.2526

■ 20.1720, 0.5203,
0.2640


■ 27.7299, 0.4265,
0.2567

■ 32.6340, 0.4012,
0.2646


■ 39.0167, 0.3787,
0.2751

■ 46.9874, 0.3593,
0.2869

 56.6450, 0.3430,
0.2991

 68.0803, 0.3293,
0.3112

 81.3778, 0.3181,
0.3228

 96.6162, 0.3088,
0.3337

Harmonies

Analogous

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



21.8417, 0.3369, 0.1915



21.8417, 0.4819, 0.2535



21.8417, 0.5685, 0.3275

Triad

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



21.8417, 0.4819, 0.2535



21.8417, 0.3598, 0.5844



21.8417, 0.1088, 0.1710

Complementary

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



21.8417, 0.4819, 0.2535



66.6195, 0.2649, 0.4623

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.



21.8417, 0.1104, 0.2469



21.8417, 0.4819, 0.2535



21.8417, 0.2443, 0.5584

Square

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



21.8417, 0.4819, 0.2535



21.8417, 0.4717, 0.5047



21.8417, 0.1529, 0.3968



21.8417, 0.1410, 0.1459

Rectangle

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



21.8417, 0.4819, 0.2535



21.8417, 0.5693, 0.3810



21.8417, 0.1529, 0.3968



21.8417, 0.1056, 0.1893

Sweetspot

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



21.8430, 0.4819, 0.2535



62.6225, 0.3437, 0.2985



13.7839, 0.2230, 0.1074



12.5630, 0.3491, 0.2942



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.



21.8430, 0.4819, 0.2535



22.5025, 0.5209, 0.2643



20.8295, 0.6091, 0.3331



16.6070, 0.3223, 0.3184



11.0996, 0.5164, 0.2619



0.9960, 0.4858, 0.2450

Inverse Universe

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



21.8430, 0.4819, 0.2535



22.5025, 0.5209, 0.2643



66.8481, 0.2244, 0.3199



16.6070, 0.3223, 0.3184



11.0996, 0.5164, 0.2619



0.9960, 0.4858, 0.2450

Previews

White Background



This preview shows how the Yxy color 21.8417, 0.4819, 0.2535 looks on a white background.

Color Contrast Check

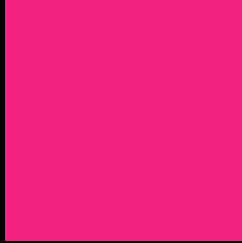
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8417, 0.4819, 0.2535 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 21.8417, 0.4819, 0.2535

Background



This preview shows how black text looks on a background with the Yxy color 21.8417, 0.4819, 0.2535.



This preview shows how white text looks on a background with the Yxy color 21.8417, 0.4819, 0.2535.

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

21.8417, 0.4819, 0.2535

Protanopia

22.2852, 0.2487, 0.2423

Deuteranopia

22.0189, 0.3443, 0.3394



Tritanopia

21.8156, 0.5720, 0.3283

Trichromacy



Original Color

21.8417, 0.4819, 0.2535



Protanomaly

18.0876, 0.3149, 0.2276



Deuteranomaly

18.9081, 0.3987, 0.2849



Tritanomaly

21.4784, 0.5448, 0.3019

Monochromacy



Original Color

21.8417, 0.4819, 0.2535



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

14.3139, 0.3806, 0.2724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8417, 0.4819, 0.2535 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(243, 35, 129)` looks like.

```
.text, #text, p{  
    color:rgb(243, 35, 129)  
}
```

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(243, 35, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 35, 129) }
```

Border

The CSS property to change the border of an element to Yxy 21.8417, 0.4819, 0.2535 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(243, 35, 129) }
```

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

```
.border{ border-color:rgb(243, 35, 129) }
```

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

Here you see how a box with a 4 pixel rgb(243, 35, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 35, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 35, 129);  
box-shadow:4px 4px 4px 4px rgb(243, 35,  
129) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 21.8417, 0.4819, 0.2535$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 35, 129) }
```

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

```
.background{ background-color: rgb(243, 35,  
129) }
```

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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