

Converting Colors

$Y_{xy}(21.8830, 0.4364, 0.2178)$

Have a look what the booklet for
Yxy(21.8830, 0.4364, 0.2178)
contains.

Yxy(21.9157, 0.4368, 0.2180)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.9157, 0.4368, 0.2180)

Conversions

Conversions Part 1

Format	Color
Hex	F5009F
RGB	245, 0, 159
RGB Percent	96%, 0%, 62%
CMY	0.0392, 0.9995, 0.3766
CMYK	0.00, 1.00, 0.35, 0.04
HSL	321°, 100%, 48%
HSV	321°, 100%, 96%
XYZ	43.9118, 21.9157, 34.7032
YIQ	91.3810, 94.9810, 101.3890

Conversions

Conversions Part 2

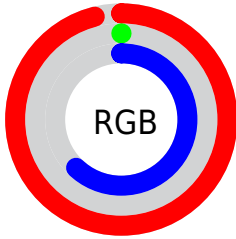
Format	Color
R_{YB}	245, 0, 159
Decimal	16056479
CIE _{Lab}	53.94, 85.08, -16.03
CIE _{LCh}	54, 86.574, 349.327
Yxy	21.9157, 0.4368, 0.2180
Android (android.graphics.Color)	4294246559 (0xFFFF5009F)
YUV	91.3810, 33.3362, 134.7239
Hunter-Lab	46.8142, 85.5085, -11.1815

Details

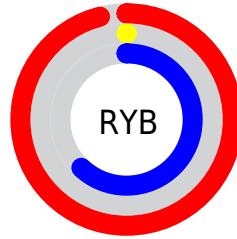
The Yxy color **21.9157, 0.4368, 0.2180** is a dark color, and the websafe version is hex **FF0099**. The color can be described as middle saturated rose. A complement of this color would be **65.9790, 0.2860, 0.5495**, and the grayscale version is **10.4746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0387, 0.3610, 0.2187**, and **11.1500, 0.4580, 0.2296** is the 20% darker color. If you saturate the color by 10%, you get **21.9130, 0.4369, 0.2180**, and if you desaturate by 10%, it is **22.9026, 0.4215, 0.2144**.

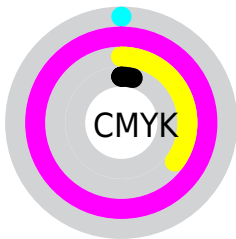
Distribution



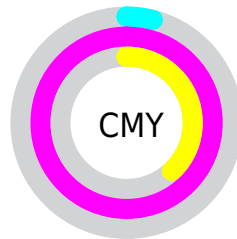
- Red (96%)
- Green (0%)
- Blue (62%)



- Red (96%)
- Yellow (0%)
- Blue (62%)



- Cyan (0%)
- Magenta (100%)
- Yellow (35%)
- Black (4%)





- Cyan (4%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9157, 0.4368, 0.2180 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 21.9157, 0.4368, 0.2180 by changing the saturation by 10% instead.


 21.9157, 0.4368,
0.2180

 21.9157, 0.4368,
0.2180


262.1057, 0.3705,
0.2749


 13.7950, 0.4546,
0.2036


 46.6066, 0.4117,
0.2389


 7.9782, 0.4782,
0.1852


 63.9456, 0.4026,
0.2467

 4.0810, 0.5105,
0.1610


 85.1261, 0.3950,
0.2532

 1.7190, 0.5572,
0.1283

 110.5326, 0.3886,
0.2588

 0.4359, 0.6357,
0.0729

 140.5494, 0.3831,
0.2637

 0.0000, 0.8031,
0.0000

175.5609, 0.3783,

 0.0000, 1.0000,

0.2679

0.0000

215.9516, 0.3741,
0.2716

■ 0.0000, 0.0000,
0.0000

■ 21.9157, 0.4368,
0.2180

■ 21.9157, 0.4368,
0.2180

■ 21.9130, 0.4369,
0.2180

■ 22.9026, 0.4215,
0.2144

■ 24.7604, 0.4058,
0.2156

■ 27.7525, 0.3901,
0.2218

■ 32.0371, 0.3750,
0.2323

■ 37.7472, 0.3610,
0.2462

■ 44.9989, 0.3483,
0.2620

■ 53.8966, 0.3372,
0.2790

■ 64.5353, 0.3277,
0.2962

■ 77.0027, 0.3195,
0.3130

Harmonies

Analogous

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



21.9157, 0.2786, 0.1623



21.9157, 0.4368, 0.2180



21.9157, 0.5683, 0.2912

Triad

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



21.9157, 0.4368, 0.2180



21.9157, 0.4047, 0.5746



21.9157, 0.0924, 0.1811

Complementary

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



21.9157, 0.4368, 0.2180



65.9790, 0.2860, 0.5495

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.



21.9157, 0.1073, 0.2914



21.9157, 0.4368, 0.2180



21.9157, 0.2810, 0.6177

Square

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



21.9157, 0.4368, 0.2180



21.9157, 0.5199, 0.4683



21.9157, 0.1705, 0.4852



21.9157, 0.1119, 0.1387

Rectangle

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



21.9157, 0.4368, 0.2180



21.9157, 0.5960, 0.3435



21.9157, 0.1705, 0.4852



21.9157, 0.0932, 0.2083

Sweetspot

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



21.9169, 0.4368, 0.2180



58.9085, 0.3374, 0.2788



8.5651, 0.1753, 0.0739



11.6809, 0.3419, 0.2716



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.



21.9169, 0.4368, 0.2180



23.9919, 0.4372, 0.2182



19.5474, 0.6223, 0.3202



16.6636, 0.3192, 0.3138



11.8324, 0.4345, 0.2167



1.0594, 0.4165, 0.2068

Inverse Universe

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



21.9169, 0.4368, 0.2180



23.9919, 0.4372, 0.2182



69.8720, 0.2383, 0.3778



16.6636, 0.3192, 0.3138



11.8324, 0.4345, 0.2167



1.0594, 0.4165, 0.2068

Previews

White Background



This preview shows how the Yxy color 21.9157, 0.4368, 0.2180 looks on a white background.

Color Contrast Check

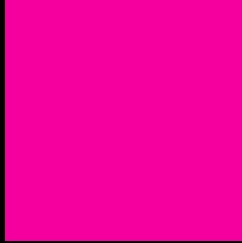
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9157, 0.4368, 0.2180 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 21.9157, 0.4368, 0.2180

Background



This preview shows how black text looks on a background with the Yxy color 21.9157, 0.4368, 0.2180.



This preview shows how white text looks on a background with the Yxy color 21.9157, 0.4368, 0.2180.

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

21.9157, 0.4368, 0.2180

Protanopia

22.6561, 0.2039, 0.1833

Deuteranopia

22.4678, 0.2995, 0.2935



Tritanopia

22.2874, 0.5645, 0.3282

Trichromacy



Original Color

21.9157, 0.4368, 0.2180



Protanomaly

15.9888, 0.2529, 0.1622



Deuteranomaly

17.2658, 0.3496, 0.2296



Tritanomaly

21.1192, 0.5294, 0.2846

Monochromacy



Original Color

21.9157, 0.4368, 0.2180



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.4901, 0.3723, 0.2339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9157, 0.4368, 0.2180 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, 0, 159)` looks like.

```
.text, #text, p{  
    color:rgb(245, 0, 159)  
}
```

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, 0, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 0, 159) }
```

Border

The CSS property to change the border of an element to Yxy 21.9157, 0.4368, 0.2180 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, 0, 159) }
```

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

```
.border{ border-color:rgb(245, 0, 159) }
```

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

Here you see how a box with a 4 pixel rgb(245, 0, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 0, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 0, 159);  
box-shadow:4px 4px 4px 4px rgb(245, 0,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9157, 0.4368, 0.2180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 0, 159) }
```

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

```
.background{ background-color: rgb(245, 0,  
159) }
```

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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