

Converting Colors

$Yxy(21.9388, 0.4597, 0.2306)$

Have a look what the booklet for
Yxy(21.9388, 0.4597, 0.2306)
contains.

Yxy(21.8807, 0.4590, 0.2302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8807, 0.4590, 0.2302)

Conversions

Conversions Part 1

Format	Color
Hex	F70093
RGB	247, 0, 147
RGB Percent	97%, 0%, 58%
CMY	0.0313, 1.0000, 0.4234
CMYK	0.00, 1.00, 0.40, 0.03
HSL	324°, 100%, 48%
HSV	324°, 100%, 97%
XYZ	43.6283, 21.8807, 29.5418
YIQ	90.6110, 100.0250, 98.0810

Conversions

Conversions Part 2

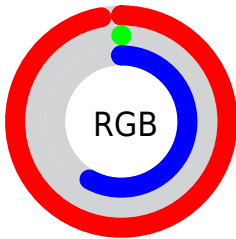
Format	Color
R_{YB}	247, 0, 147
Decimal	16187539
CIE _{Lab}	53.90, 84.40, -8.96
CIE _{LCh}	54, 84.878, 353.941
Yxy	21.8807, 0.4590, 0.2302
Android (android.graphics.Color)	4294377619 (0xFFFF70093)
YUV	90.6110, 27.7998, 137.1532
Hunter-Lab	46.7768, 84.6260, -4.7007

Details

The Yxy color **21.8807, 0.4590, 0.2302** 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 **67.4456, 0.2818, 0.5344**, and the grayscale version is **10.2894, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4007, 0.3760, 0.2300**, and **11.0534, 0.4844, 0.2442** is the 20% darker color. If you saturate the color by 10%, you get **21.8832, 0.4590, 0.2302**, and if you desaturate by 10%, it is **22.8934, 0.4406, 0.2252**.

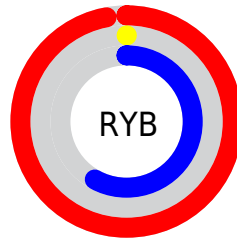
Distribution



Red (97%)

Green (0%)

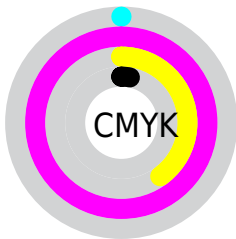
Blue (58%)



Red (97%)

Yellow (0%)

Blue (58%)

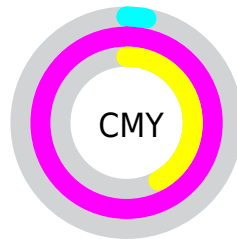


Cyan (0%)

Magenta (100%)

Yellow (40%)

Black (3%)



Cyan (3%)


Magenta (100%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8807, 0.4590, 0.2302 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 21.8807, 0.4590, 0.2302 by changing the saturation by 10% instead.


 21.8807, 0.4590,
0.2302


 21.8807, 0.4590,
0.2302


261.9226, 0.3794,
0.2823


 13.7693, 0.4808,
0.2165


 46.5487, 0.4286,
0.2497

 7.9604, 0.5100,
0.1987


 63.8741, 0.4176,
0.2568

 4.0696, 0.5504,
0.1748

 85.0396, 0.4085,
0.2628

 1.7126, 0.6094,
0.1415

 110.4297, 0.4008,
0.2679

 0.4318, 0.7095,
0.0817

 140.4286, 0.3943,
0.2722

 0.0000, 1.0000,
0.0000

175.4208, 0.3887,

 0.0000, 0.0000,

0.2760

0.0000

215.7907, 0.3837,
0.2793

■ 21.8807, 0.4590,
0.2302

■ 21.8807, 0.4590,
0.2302

■ 21.8832, 0.4590,
0.2302

■ 22.8934, 0.4406,
0.2252

■ 24.7970, 0.4217,
0.2251

■ 27.8621, 0.4028,
0.2302

■ 32.2508, 0.3848,
0.2397

■ 38.0989, 0.3683,
0.2524

■ 45.5254, 0.3535,
0.2671

■ 54.6369, 0.3407,
0.2828

■ 65.5305, 0.3297,
0.2987

■ 78.2961, 0.3205,
0.3142

Harmonies

Analogous

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



21.8807, 0.3012, 0.1712



21.8807, 0.4590, 0.2302



21.8807, 0.5750, 0.3043

Triad

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



21.8807, 0.4590, 0.2302



21.8807, 0.3863, 0.5849



21.8807, 0.0958, 0.1736

Complementary

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



21.8807, 0.4590, 0.2302



67.4456, 0.2818, 0.5344

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.



21.8807, 0.1051, 0.2700



21.8807, 0.4590, 0.2302



21.8807, 0.2643, 0.6038

Square

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



21.8807, 0.4590, 0.2302



21.8807, 0.5026, 0.4843



21.8807, 0.1598, 0.4508



21.8807, 0.1202, 0.1385

Rectangle

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



21.8807, 0.4590, 0.2302



21.8807, 0.5908, 0.3572



21.8807, 0.1598, 0.4508



21.8807, 0.0949, 0.1971

Sweetspot

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



21.8832, 0.4590, 0.2302



58.6840, 0.3407, 0.2827



9.3574, 0.1827, 0.0780



11.6274, 0.3459, 0.2761



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.



21.8832, 0.4590, 0.2302



23.5202, 0.4593, 0.2304



19.8444, 0.6309, 0.3249



16.6481, 0.3200, 0.3150



11.6014, 0.4561, 0.2286



1.0400, 0.4345, 0.2167

Inverse Universe

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



21.8832, 0.4590, 0.2302



23.5202, 0.4593, 0.2304



71.8164, 0.2336, 0.3608



16.6481, 0.3200, 0.3150



11.6014, 0.4561, 0.2286



1.0400, 0.4345, 0.2167

Previews

White Background



This preview shows how the Yxy color 21.8807, 0.4590, 0.2302 looks on a white background.

Color Contrast Check

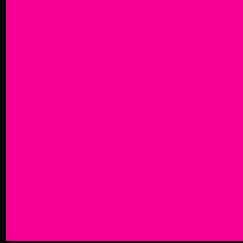
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8807, 0.4590, 0.2302 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 21.8807, 0.4590, 0.2302

Background



This preview shows how black text looks on a background with the Yxy color 21.8807, 0.4590, 0.2302.



This preview shows how white text looks on a background with the Yxy color 21.8807, 0.4590, 0.2302.

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

21.8807, 0.4590, 0.2302

Protanopia

22.7382, 0.2189, 0.2031

Deuteranopia

22.2747, 0.3183, 0.3120



Tritanopia

22.2296, 0.5754, 0.3284

Trichromacy



Original Color

21.8807, 0.4590, 0.2302



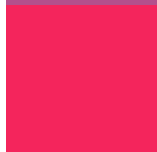
Protanomaly

16.1911, 0.2758, 0.1788



Deuteranomaly

17.2145, 0.3733, 0.2454



Tritanomaly

21.3289, 0.5438, 0.2907

Monochromacy



Original Color

21.8807, 0.4590, 0.2302



Achromatopsia

10.4616, 0.3127, 0.3290



Achromatomaly

10.4697, 0.3837, 0.2421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8807, 0.4590, 0.2302 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(247, 0, 147)` looks like.

```
.text, #text, p{  
  color:rgb(247, 0, 147)  
}
```

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(247, 0, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 0, 147) }
```

Border

The CSS property to change the border of an element to Yxy 21.8807, 0.4590, 0.2302 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(247, 0, 147) }
```

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

```
.border{ border-color:rgb(247, 0, 147) }
```

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

Here you see how a box with a 4 pixel rgb(247, 0, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 0, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 0, 147);  
box-shadow:4px 4px 4px 4px rgb(247, 0,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8807, 0.4590, 0.2302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 0, 147) }
```

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

```
.background{ background-color: rgb(247, 0,  
147) }
```

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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