

Converting Colors

$Yxy(93.9726, 0.5225, 0.3077)$

Have a look what the booklet for
Yxy(93.9726, 0.5225, 0.3077)
contains.

Yxy(41.5245, 0.3948, 0.2836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5245, 0.3948, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	FF86B2
RGB	255, 134, 178
RGB Percent	100%, 53%, 70%
CMY	0.0000, 0.4745, 0.3020
CMYK	0.00, 0.47, 0.30, 0.00
HSL	338°, 100%, 76%
HSV	338°, 47%, 100%
XYZ	57.8063, 41.5245, 47.0884
YIQ	175.1950, 57.9920, 39.3360

Conversions

Conversions Part 2

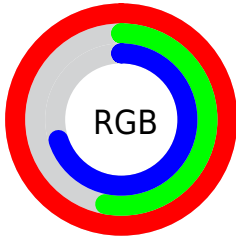
Format	Color
R _{YB}	255, 134, 178
Decimal	16746162
CIE _{Lab}	70.54, 50.60, -2.04
CIE _{LCh}	71, 50.641, 357.697
Y _{xy}	41.5245, 0.3948, 0.2836
Android (android.graphics.Color)	4294936242 (0xFFFF86B2)
YUV	175.1950, 1.3829, 69.9890
Hunter-Lab	64.4395, 47.3567, 1.7822

Details

The Yxy color **41.5245, 0.3948, 0.2836** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.2905, 0.2693, 0.3818**, and the grayscale version is **42.9434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0274, 0.3314, 0.2848**, and **18.8201, 0.4190, 0.2712** is the 20% darker color. If you saturate the color by 10%, you get **34.6902, 0.4225, 0.2757**, and if you desaturate by 10%, it is **50.1317, 0.3710, 0.2930**.

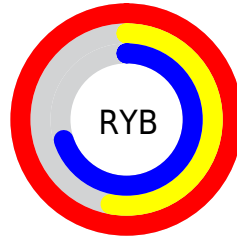
Distribution



Red (100%)

Green (53%)

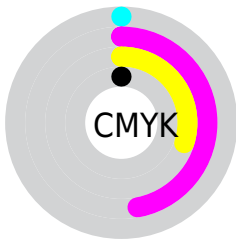
Blue (70%)



Red (100%)

Yellow (53%)

Blue (70%)

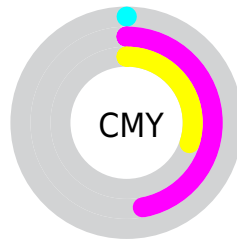


Cyan (0%)

Magenta (47%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5245, 0.3948, 0.2836 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 41.5245, 0.3948, 0.2836 by changing the saturation by 10% instead.

 41.5245, 0.3948,
0.2836


 41.5245, 0.3948,
0.2836

352.5080, 0.3533,
0.3064


 28.7291, 0.4053,
0.2779


 77.4795, 0.3796,
0.2919

 18.8760, 0.4188,
0.2706


 101.4079, 0.3739,
0.2950

 11.5807, 0.4368,
0.2609


 129.8161, 0.3691,
0.2976

 6.4589, 0.4620,
0.2475

163.0885, 0.3651,
0.2999

 3.1261, 0.4994,
0.2278

201.6095, 0.3615,
0.3018

 1.1979, 0.5600,
0.1964

245.7635, 0.3584,

 0.0600, 0.8373,

0.3035

295.9348, 0.3557,
0.3051

0.0365

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.5245, 0.3948,
0.2836

41.5245, 0.3948,
0.2836

34.6902, 0.4225,
0.2757

50.1317, 0.3710,
0.2930

29.5069, 0.4536,
0.2705

60.6311, 0.3511,
0.3029

25.8289, 0.4869,
0.2692

73.1257, 0.3346,
0.3128

23.4871, 0.5199,
0.2729

87.7126, 0.3211,
0.3223

■ 22.2617, 0.5501,
0.2818

100.0000, 0.3127,
0.3290

■ 22.0457, 0.5573,
0.2844

Harmonies

Analogous

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



41.5245, 0.3202, 0.2432



41.5245, 0.3948, 0.2836



41.5245, 0.4474, 0.3348

Triad

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



41.5245, 0.3948, 0.2836



41.5245, 0.3628, 0.4642



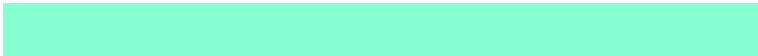
41.5245, 0.1859, 0.2452

Complementary

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



41.5245, 0.3948, 0.2836



81.2905, 0.2693, 0.3818

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.



41.5245, 0.1940, 0.2997



41.5245, 0.3948, 0.2836



41.5245, 0.2922, 0.4431

Square

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



41.5245, 0.3948, 0.2836



41.5245, 0.4237, 0.4385



41.5245, 0.2309, 0.3761



41.5245, 0.2055, 0.2198

Rectangle

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



41.5245, 0.3948, 0.2836



41.5245, 0.4588, 0.3713



41.5245, 0.2309, 0.3761



41.5245, 0.1854, 0.2601

Sweetspot

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



41.5229, 0.3948, 0.2836



77.9220, 0.3296, 0.3161



38.0629, 0.2799, 0.1998



16.0308, 0.3327, 0.3140



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.



41.5229, 0.3948, 0.2836



34.9634, 0.4211, 0.2760



44.8346, 0.4359, 0.3461



18.0963, 0.3237, 0.3204



11.5454, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Inverse Universe

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



41.5229, 0.3948, 0.2836



34.9634, 0.4211, 0.2760



73.9423, 0.2462, 0.3101



18.0963, 0.3237, 0.3204



11.5454, 0.5530, 0.2820



1.1442, 0.5218, 0.2648

Previews

White Background



This preview shows how the Yxy color 41.5245, 0.3948, 0.2836 looks on a white background.

Color Contrast Check

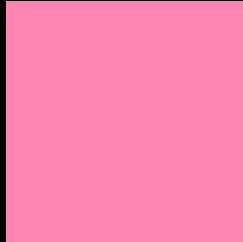
Large Text (above 18pt) WCAG AA × Fail

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 41.5245, 0.3948, 0.2836 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.5245, 0.3948, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 41.5245, 0.3948, 0.2836.



This preview shows how white text looks on a background with the Yxy color 41.5245, 0.3948, 0.2836.

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

41.5245, 0.3948, 0.2836

Protanopia

41.9376, 0.2856, 0.2905

Deuteranopia

41.5631, 0.3298, 0.3225



Tritanopia

41.3306, 0.4227, 0.3188

Trichromacy



Original Color

41.5245, 0.3948, 0.2836



Protanomaly

40.4461, 0.3204, 0.2854



Deuteranomaly

40.7948, 0.3532, 0.3060



Tritanomaly

41.3120, 0.4121, 0.3051

Monochromacy



Original Color

41.5245, 0.3948, 0.2836



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.1136, 0.3406, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5245, 0.3948, 0.2836 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(255, 134, 178)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 178)  
}
```

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(255, 134, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.5245, 0.3948, 0.2836 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(255, 134, 178) }
```

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

```
.border{ border-color:rgb(255, 134, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 134, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 178);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5245, 0.3948, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 134, 178) }
```

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

```
.background{ background-color: rgb(255,  
134, 178) }
```

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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