

Converting Colors

$Y_{xy}(41.6753, 0.3939, 0.2834)$

Have a look what the booklet for
Yxy(41.6753, 0.3939, 0.2834)
contains.

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Color

Yxy(41.5649, 0.3937, 0.2826)

Conversions

Conversions Part 1

Format	Color
Hex	FF86B3
RGB	255, 134, 179
RGB Percent	100%, 53%, 70%
CMY	0.0000, 0.4745, 0.2981
CMYK	0.00, 0.47, 0.30, 0.00
HSL	338°, 100%, 76%
HSV	338°, 47%, 100%
XYZ	57.9055, 41.5649, 47.6099
YIQ	175.3090, 57.6710, 39.6470

Conversions

Conversions Part 2

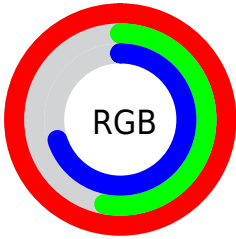
Format	Color
R_{YB}	255, 134, 179
Decimal	16746163
CIE _{Lab}	70.57, 50.72, -2.54
CIE _{LCh}	71, 50.785, 357.130
Yxy	41.5649, 0.3937, 0.2826
Android (android.graphics.Color)	4294936243 (0xFFFF86B3)
YUV	175.3090, 1.8197, 69.8890
Hunter-Lab	64.4708, 47.4987, 1.3456

Details

The Yxy color **41.5649, 0.3937, 0.2826** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.2419, 0.2698, 0.3830**, and the grayscale version is **43.0033, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0851, 0.3306, 0.2839**, and **18.8458, 0.4173, 0.2699** is the 20% darker color. If you saturate the color by 10%, you get **34.7333, 0.4210, 0.2745**, and if you desaturate by 10%, it is **50.1678, 0.3703, 0.2922**.

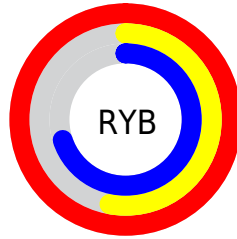
Distribution



Red (100%)

Green (53%)

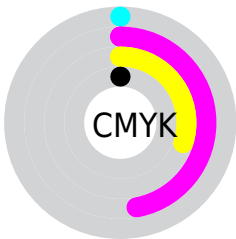
Blue (70%)



Red (100%)

Yellow (53%)

Blue (70%)

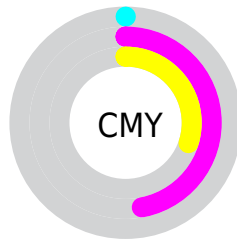


Cyan (0%)

Magenta (47%)

Yellow (30%)

Black (0%)



Cyan (0%)


Magenta (47%)

Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5649, 0.3937, 0.2826 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 41.5649, 0.3937, 0.2826 by changing the saturation by 10% instead.


 41.5649, 0.3937,
0.2826


 41.5649, 0.3937,
0.2826


352.6761, 0.3528,
0.3058


 28.7608, 0.4040,
0.2768


 77.5407, 0.3787,
0.2910

 18.8999, 0.4173,
0.2694


 101.4811, 0.3731,
0.2942

 11.5980, 0.4350,
0.2596


 129.9024, 0.3684,
0.2969

 6.4706, 0.4597,
0.2461

163.1890, 0.3644,
0.2992

 3.1333, 0.4965,
0.2262

201.7253, 0.3609,
0.3012

 1.2017, 0.5560,
0.1947

245.8956, 0.3578,

 0.0631, 0.8174,

0.3029

0.0372

296.0844, 0.3551,
0.3045

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.5649, 0.3937,
0.2826

41.5649, 0.3937,
0.2826

34.7333, 0.4210,
0.2745

50.1678, 0.3703,
0.2922

29.5509, 0.4516,
0.2691

60.6610, 0.3506,
0.3023

25.8723, 0.4844,
0.2677

73.1474, 0.3344,
0.3124

23.5285, 0.5170,
0.2712

87.7240, 0.3210,
0.3221

■ 22.2997, 0.5469,
0.2800

100.0000, 0.3127,
0.3290

■ 22.0827, 0.5541,
0.2826

Harmonies

Analogous

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



41.5649, 0.3188, 0.2424



41.5649, 0.3937, 0.2826



41.5649, 0.4471, 0.3338

Triad

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



41.5649, 0.3937, 0.2826



41.5649, 0.3642, 0.4644



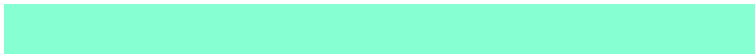
41.5649, 0.1855, 0.2457

Complementary

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



41.5649, 0.3937, 0.2826



81.2419, 0.2698, 0.3830

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.



41.5649, 0.1941, 0.3009



41.5649, 0.3937, 0.2826



41.5649, 0.2934, 0.4443

Square

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



41.5649, 0.3937, 0.2826



41.5649, 0.4248, 0.4380



41.5649, 0.2316, 0.3777



41.5649, 0.2047, 0.2198

Rectangle

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



41.5649, 0.3937, 0.2826



41.5649, 0.4591, 0.3703



41.5649, 0.2316, 0.3777



41.5649, 0.1852, 0.2609

Sweetspot

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



41.5634, 0.3937, 0.2826



77.9385, 0.3294, 0.3158



37.7686, 0.2782, 0.1992



16.0348, 0.3325, 0.3137



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.



41.5634, 0.3937, 0.2826



35.0056, 0.4196, 0.2748



44.1967, 0.4371, 0.3440



18.0988, 0.3236, 0.3202



11.5651, 0.5498, 0.2802



1.1463, 0.5188, 0.2631

Inverse Universe

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



41.5634, 0.3937, 0.2826



35.0056, 0.4196, 0.2748



75.1294, 0.2467, 0.3125



18.0988, 0.3236, 0.3202



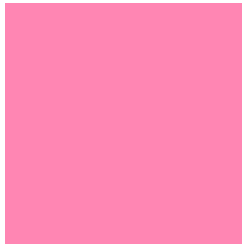
11.5651, 0.5498, 0.2802



1.1463, 0.5188, 0.2631

Previews

White Background



This preview shows how the Yxy color 41.5649, 0.3937, 0.2826 looks on a white background.

Color Contrast Check

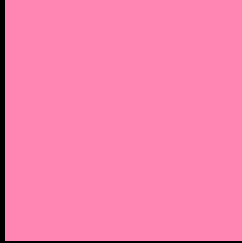
Large Text (above 18pt) WCAG AA × Fail

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 41.5649, 0.3937, 0.2826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

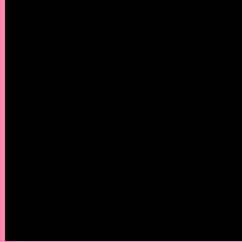
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.5649, 0.3937, 0.2826

Background



This preview shows how black text looks on a background with the Yxy color 41.5649, 0.3937, 0.2826.

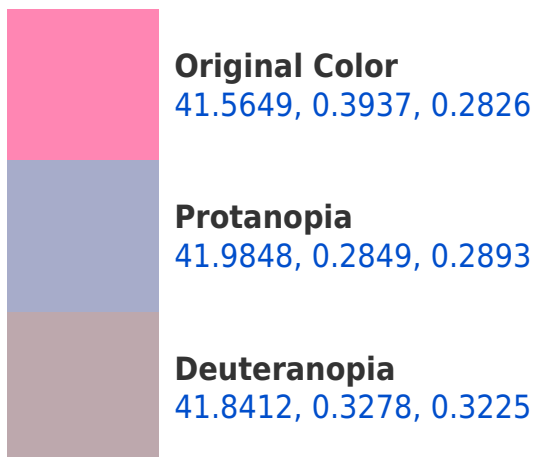


This preview shows how white text looks on a background with the Yxy color 41.5649, 0.3937, 0.2826.

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





Tritanopia

41.3627, 0.4216, 0.3177

Trichromacy



Original Color

41.5649, 0.3937, 0.2826



Protanomaly

40.4909, 0.3195, 0.2842



Deuteranomaly

41.0182, 0.3510, 0.3059



Tritanomaly

41.3472, 0.4110, 0.3041

Monochromacy



Original Color

41.5649, 0.3937, 0.2826



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 41.5649, 0.3937, 0.2826 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 179) }
```

Border

The CSS property to change the border of an element to Yxy 41.5649, 0.3937, 0.2826 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, 179) }
```

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

```
.border{ border-color:rgb(255, 134, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 179);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5649, 0.3937, 0.2826 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, 179) }
```

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

```
.background{ background-color: rgb(255,  
134, 179) }
```

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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