

Converting Colors

$Y_{xy}(47.8697, 0.4200, 0.2870)$

Have a look what the booklet for
Yxy(47.8697, 0.4200, 0.2870)
contains.

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Color

Yxy(41.6055, 0.3925, 0.2816)

Conversions

Conversions Part 1

Format	Color
Hex	FF86B4
RGB	255, 134, 180
RGB Percent	100%, 53%, 71%
CMY	0.0002, 0.4744, 0.2941
CMYK	0.00, 0.47, 0.29, 0.00
HSL	337°, 100%, 76%
HSV	337°, 47%, 100%
XYZ	57.9906, 41.6055, 48.1507
YIQ	175.4230, 57.3500, 39.9580

Conversions

Conversions Part 2

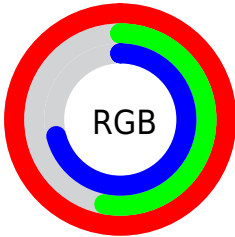
Format	Color
R _Y B	255, 134, 180
Decimal	16746164
CIE Lab	70.60, 50.81, -3.07
CIE LCh	71, 50.900, 356.546
Yxy	41.6055, 0.3925, 0.2816
Android (android.graphics.Color)	4294936244 (0xFFFF86B4)
YUV	175.4230, 2.2565, 69.7890
Hunter-Lab	64.5023, 47.6008, 0.8919

Details

The Yxy color **41.6055, 0.3925, 0.2816** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.1667, 0.2703, 0.3842**, and the grayscale version is **43.0701, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1430, 0.3299, 0.2829**, and **18.8717, 0.4157, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **34.7788, 0.4193, 0.2733**, and if you desaturate by 10%, it is **50.2085, 0.3694, 0.2914**.

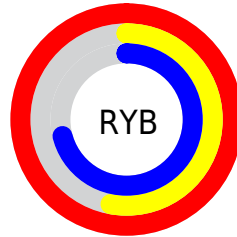
Distribution



Red (100%)

Green (53%)

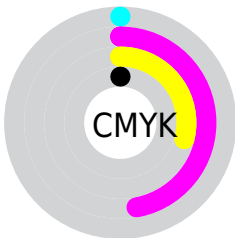
Blue (71%)



Red (100%)

Yellow (53%)

Blue (71%)

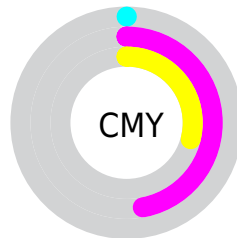


Cyan (0%)

Magenta (47%)

Yellow (29%)

Black (0%)



Cyan (0%)


Magenta (47%)


Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.6055, 0.3925, 0.2816 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 41.6055, 0.3925, 0.2816 by changing the saturation by 10% instead.


 41.6055, 0.3925,
0.2816

 41.6055, 0.3925,
0.2816


352.8450, 0.3522,
0.3053


 28.7925, 0.4026,
0.2757


 77.6022, 0.3778,
0.2902

 18.9239, 0.4157,
0.2682


 101.5547, 0.3723,
0.2934

 11.6153, 0.4331,
0.2583


 129.9892, 0.3676,
0.2961

 6.4823, 0.4573,
0.2446

163.2901, 0.3637,
0.2985

 3.1405, 0.4934,
0.2246

201.8417, 0.3602,
0.3005

 1.2055, 0.5516,
0.1931

246.0284, 0.3572,

 0.0662, 0.7979,

0.3023

0.0379

296.2347, 0.3546,
0.3039

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

41.6055, 0.3925,
0.2816

41.6055, 0.3925,
0.2816

34.7788, 0.4193,
0.2733

50.2085, 0.3694,
0.2914

29.5957, 0.4495,
0.2677

60.6956, 0.3501,
0.3018

25.9145, 0.4817,
0.2661

73.1735, 0.3340,
0.3121

23.5666, 0.5139,
0.2695

87.7388, 0.3209,
0.3220

■ 22.3329, 0.5436,
0.2782

99.9916, 0.3127,
0.3290

■ 22.1128, 0.5508,
0.2808

Harmonies

Analogous

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



41.6055, 0.3173, 0.2416



41.6055, 0.3925, 0.2816



41.6055, 0.4467, 0.3327

Triad

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



41.6055, 0.3925, 0.2816



41.6055, 0.3656, 0.4645



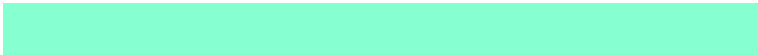
41.6055, 0.1852, 0.2464

Complementary

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



41.6055, 0.3925, 0.2816



81.1667, 0.2703, 0.3842

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.



41.6055, 0.1944, 0.3022



41.6055, 0.3925, 0.2816



41.6055, 0.2947, 0.4455

Square

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



41.6055, 0.3925, 0.2816



41.6055, 0.4260, 0.4373



41.6055, 0.2325, 0.3794



41.6055, 0.2038, 0.2198

Rectangle

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



41.6055, 0.3925, 0.2816



41.6055, 0.4593, 0.3693



41.6055, 0.2325, 0.3794



41.6055, 0.1851, 0.2617

Sweetspot

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



41.6076, 0.3925, 0.2816



77.9554, 0.3292, 0.3155



37.7757, 0.2782, 0.1992



16.0389, 0.3322, 0.3134



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.



41.6076, 0.3925, 0.2816



35.0491, 0.4181, 0.2736



44.1995, 0.4370, 0.3440



18.1013, 0.3234, 0.3200



11.5857, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Inverse Universe

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



41.6076, 0.3925, 0.2816



35.0491, 0.4181, 0.2736



75.1097, 0.2467, 0.3125



18.1013, 0.3234, 0.3200



11.5857, 0.5465, 0.2784



1.1485, 0.5157, 0.2615

Previews

White Background



This preview shows how the Yxy color 41.6055, 0.3925, 0.2816 looks on a white background.

Color Contrast Check

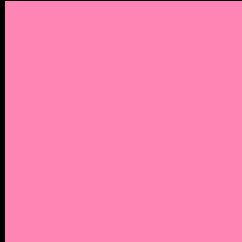
Large Text (above 18pt) WCAG AA × Fail

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 41.6055, 0.3925, 0.2816 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 41.6055, 0.3925, 0.2816

Background



This preview shows how black text looks on a background with the Yxy color 41.6055, 0.3925, 0.2816.



This preview shows how white text looks on a background with the Yxy color 41.6055, 0.3925, 0.2816.

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

41.6055, 0.3925, 0.2816

Protanopia

42.0323, 0.2842, 0.2880

Deuteranopia

41.8801, 0.3269, 0.3212



Tritanopia

41.6536, 0.4211, 0.3188

Trichromacy



Original Color

41.6055, 0.3925, 0.2816



Protanomaly

40.5360, 0.3186, 0.2830



Deuteranomaly

41.0577, 0.3501, 0.3047



Tritanomaly

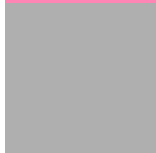
41.6328, 0.4106, 0.3051

Monochromacy



Original Color

41.6055, 0.3925, 0.2816



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

41.1533, 0.3396, 0.3078

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.6055, 0.3925, 0.2816 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, 180)` looks like.

```
.text, #text, p{  
    color:rgb(255, 134, 180)  
}
```

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, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 134, 180) }
```

Border

The CSS property to change the border of an element to Yxy 41.6055, 0.3925, 0.2816 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, 180) }
```

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

```
.border{ border-color:rgb(255, 134, 180) }
```

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, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 134, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 134, 180);  
box-shadow:4px 4px 4px 4px rgb(255, 134,  
180) }
```


Background

The CSS property to change the background color of an element to Yxy 41.6055, 0.3925, 0.2816 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, 180) }
```

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

```
.background{ background-color: rgb(255,  
134, 180) }
```

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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