

Converting Colors

$Y_{xy}(41.9967, 0.3904, 0.2810)$

Have a look what the booklet for
Yxy(41.9967, 0.3904, 0.2810)
contains.

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Color

Yxy(41.9653, 0.3900, 0.2805)

Conversions

Conversions Part 1

Format	Color
Hex	FF87B6
RGB	255, 135, 182
RGB Percent	100%, 53%, 71%
CMY	0.0000, 0.4706, 0.2862
CMYK	0.00, 0.47, 0.29, 0.00
HSL	336°, 100%, 76%
HSV	336°, 47%, 100%
XYZ	58.3475, 41.9653, 49.2961
YIQ	176.2380, 56.4330, 40.0570

Conversions

Conversions Part 2

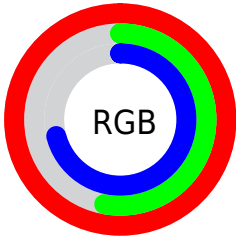
Format	Color
R_{YB}	255, 135, 182
Decimal	16746422
CIE _{Lab}	70.85, 50.60, -3.84
CIE _{LCh}	71, 50.748, 355.664
Yxy	41.9653, 0.3900, 0.2805
Android (android.graphics.Color)	4294936502 (0xFFFF87B6)
YUV	176.2380, 2.8407, 69.0743
Hunter-Lab	64.7806, 47.4076, 0.2285

Details

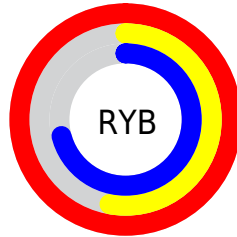
The Yxy color **41.9653, 0.3900, 0.2805** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **81.2190, 0.2712, 0.3855**, and the grayscale version is **43.5118, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6947, 0.3283, 0.2820**, and **19.2056, 0.4133, 0.2675** is the 20% darker color. If you saturate the color by 10%, you get **35.0771, 0.4161, 0.2718**, and if you desaturate by 10%, it is **50.6323, 0.3676, 0.2906**.

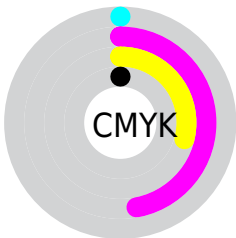
Distribution



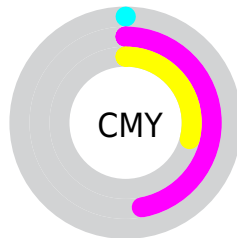
- Red (100%)
- Green (53%)
- Blue (71%)



- 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 41.9653, 0.3900, 0.2805 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 41.9653, 0.3900, 0.2805 by changing the saturation by 10% instead.


 41.9653, 0.3900,
0.2805


 41.9653, 0.3900,
0.2805


354.3391, 0.3511,
0.3046


 29.0741, 0.3998,
0.2746

 78.1471, 0.3758,
0.2892

 19.1369, 0.4123,
0.2670


 102.2065, 0.3705,
0.2925

 11.7692, 0.4290,
0.2570


 130.7575, 0.3660,
0.2953

 6.5867, 0.4523,
0.2433

164.1844, 0.3622,
0.2977

 3.2050, 0.4867,
0.2233

202.8716, 0.3588,
0.2997

 1.2397, 0.5422,
0.1921

247.2035, 0.3559,

 0.0938, 0.7540,

0.3016

0.0497

297.5645, 0.3534,
0.3032

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9653, 0.3900,
0.2805

■ 41.9653, 0.3900,
0.2805

■ 35.0771, 0.4161,
0.2718

■ 50.6323, 0.3676,
0.2906

■ 29.8356, 0.4454,
0.2658

■ 61.1854, 0.3487,
0.3013

■ 26.1000, 0.4769,
0.2638

■ 73.7307, 0.3331,
0.3120

■ 23.7030, 0.5085,
0.2668

■ 88.3648, 0.3203,
0.3222

■ 22.4312, 0.5378,
0.2752

99.9985, 0.3127,
0.3290

■ 22.1772, 0.5460,
0.2781

Harmonies

Analogous

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



41.9653, 0.3151, 0.2411



41.9653, 0.3900, 0.2805



41.9653, 0.4448, 0.3312

Triad

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



41.9653, 0.3900, 0.2805



41.9653, 0.3674, 0.4635



41.9653, 0.1857, 0.2481

Complementary

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



41.9653, 0.3900, 0.2805



81.2190, 0.2712, 0.3855

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.



41.9653, 0.1957, 0.3044



41.9653, 0.3900, 0.2805



41.9653, 0.2969, 0.4461

Square

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



41.9653, 0.3900, 0.2805



41.9653, 0.4268, 0.4355



41.9653, 0.2345, 0.3814



41.9653, 0.2035, 0.2208

Rectangle

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



41.9653, 0.3900, 0.2805



41.9653, 0.4584, 0.3676



41.9653, 0.2345, 0.3814



41.9653, 0.1859, 0.2636

Sweetspot

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



41.9674, 0.3900, 0.2805



77.9795, 0.3290, 0.3151



37.8150, 0.2769, 0.1997



16.0447, 0.3319, 0.3129



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.



41.9674, 0.3900, 0.2805



35.7257, 0.4132, 0.2726



43.8775, 0.4366, 0.3418



18.1050, 0.3232, 0.3197



11.6161, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Inverse Universe

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



41.9674, 0.3900, 0.2805



35.7257, 0.4132, 0.2726



76.4684, 0.2475, 0.3150



18.1050, 0.3232, 0.3197



11.6161, 0.5417, 0.2758



1.1517, 0.5113, 0.2590

Previews

White Background



This preview shows how the Yxy color 41.9653, 0.3900, 0.2805 looks on a white background.

Color Contrast Check

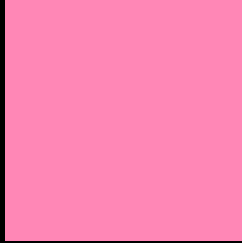
Large Text (above 18pt) WCAG AA × Fail

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 41.9653, 0.3900, 0.2805 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 41.9653, 0.3900, 0.2805

Background



This preview shows how black text looks on a background with the Yxy color 41.9653, 0.3900, 0.2805.



This preview shows how white text looks on a background with the Yxy color 41.9653, 0.3900, 0.2805.

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

41.9653, 0.3900, 0.2805

Protanopia

42.1283, 0.2827, 0.2856

Deuteranopia

41.9587, 0.3252, 0.3186



Tritanopia

41.9796, 0.4195, 0.3187

Trichromacy



Original Color

41.9653, 0.3900, 0.2805



Protanomaly

40.9696, 0.3168, 0.2820



Deuteranomaly

41.1374, 0.3481, 0.3023



Tritanomaly

41.9565, 0.4091, 0.3051

Monochromacy



Original Color

41.9653, 0.3900, 0.2805



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

41.6832, 0.3395, 0.3079

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9653, 0.3900, 0.2805 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, 135, 182)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 182)  
}
```

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, 135, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 182) }
```

Border

The CSS property to change the border of an element to Yxy 41.9653, 0.3900, 0.2805 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, 135, 182) }
```

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

```
.border{ border-color:rgb(255, 135, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 182);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9653, 0.3900, 0.2805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 182) }
```

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

```
.background{ background-color: rgb(255,  
135, 182) }
```

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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