

Converting Colors

$Y_{xy}(40.6363, 0.3857, 0.2696)$

Have a look what the booklet for
Yxy(40.6363, 0.3857, 0.2696)
contains.

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Color

Yxy(40.5484, 0.3861, 0.2696)

Conversions

Conversions Part 1

Format	Color
Hex	FF81BB
RGB	255, 129, 187
RGB Percent	100%, 51%, 73%
CMY	0.0000, 0.4942, 0.2666
CMYK	0.00, 0.49, 0.27, 0.00
HSL	332°, 100%, 75%
HSV	332°, 49%, 100%
XYZ	58.0702, 40.5484, 51.7834
YIQ	173.2860, 56.4780, 44.7500

Conversions

Conversions Part 2

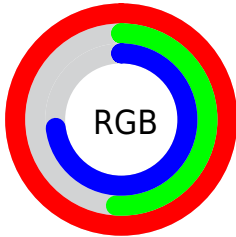
Format	Color
R _Y B	255, 129, 187
Decimal	16744891
CIE Lab	69.86, 54.19, -8.08
CIE LCh	70, 54.790, 351.518
Yxy	40.5484, 0.3861, 0.2696
Android (android.graphics.Color)	4294934971 (0xFFFF81BB)
YUV	173.2860, 6.7610, 71.6632
Hunter-Lab	63.6776, 51.3456, -3.6410

Details

The Yxy color **40.5484, 0.3861, 0.2696** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **80.2156, 0.2737, 0.4001**, and the grayscale version is **41.8794, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4290, 0.3249, 0.2713**, and **18.2209, 0.4063, 0.2530** is the 20% darker color. If you saturate the color by 10%, you get **34.0832, 0.4093, 0.2598**, and if you desaturate by 10%, it is **48.7362, 0.3658, 0.2812**.

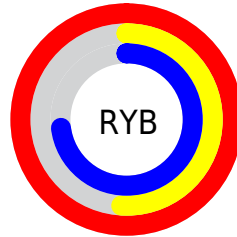
Distribution



Red (100%)

Green (51%)

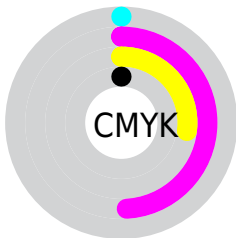
Blue (73%)



Red (100%)

Yellow (51%)

Blue (73%)

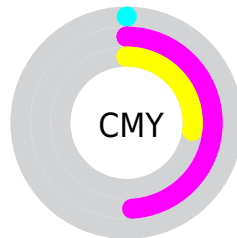


Cyan (0%)

Magenta (49%)

Yellow (27%)

Black (0%)



Cyan (0%)


Magenta (49%)


Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5484, 0.3861, 0.2696 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 40.5484, 0.3861, 0.2696 by changing the saturation by 10% instead.


 40.5484, 0.3861,
0.2696


 40.5484, 0.3861,
0.2696


348.4296, 0.3493,
0.2987

 27.9664, 0.3953,
0.2625


 75.9979, 0.3727,
0.2800

 18.3003, 0.4071,
0.2536


 99.6341, 0.3677,
0.2840

 11.1658, 0.4227,
0.2419


 127.7239, 0.3634,
0.2874

 6.1785, 0.4444,
0.2260

160.6516, 0.3598,
0.2903

 2.9539, 0.4764,
0.2034

198.8016, 0.3566,
0.2928

 1.1077, 0.5275,
0.1691

242.5584, 0.3539,

 0.0000, 0.7186,

0.2950

0.0000

292.3062, 0.3515,
0.2970

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

40.5484, 0.3861,
0.2696

40.5484, 0.3861,
0.2696

34.0832, 0.4093,
0.2598

48.7362, 0.3658,
0.2812

29.2263, 0.4352,
0.2530

58.7765, 0.3485,
0.2936

25.8261, 0.4625,
0.2506

70.7700, 0.3340,
0.3061

23.7082, 0.4899,
0.2536

84.8142, 0.3221,
0.3182

■ 22.6053, 0.5157,
0.2617

100.0000, 0.3127,
0.3290

■ 22.5542, 0.5172,
0.2623

Harmonies

Analogous

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



40.5484, 0.3037, 0.2300



40.5484, 0.3861, 0.2696



40.5484, 0.4512, 0.3223

Triad

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



40.5484, 0.3861, 0.2696



40.5484, 0.3808, 0.4738



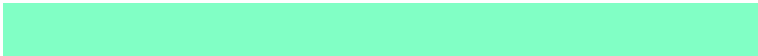
40.5484, 0.1757, 0.2471

Complementary

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



40.5484, 0.3861, 0.2696



80.2156, 0.2737, 0.4001

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.



40.5484, 0.1902, 0.3121



40.5484, 0.3861, 0.2696



40.5484, 0.3050, 0.4644

Square

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



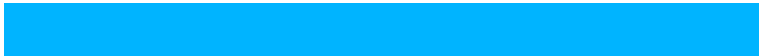
40.5484, 0.3861, 0.2696



40.5484, 0.4426, 0.4364



40.5484, 0.2354, 0.3982



40.5484, 0.1907, 0.2143

Rectangle

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



40.5484, 0.3861, 0.2696



40.5484, 0.4702, 0.3609



40.5484, 0.2354, 0.3982



40.5484, 0.1772, 0.2652

Sweetspot

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



40.5436, 0.3861, 0.2696



76.7183, 0.3285, 0.3115



34.6768, 0.2675, 0.1904



15.8027, 0.3311, 0.3090



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.



40.5436, 0.3861, 0.2696



34.3209, 0.4083, 0.2601



39.6692, 0.4510, 0.3337



18.1262, 0.3222, 0.3181



11.8144, 0.5132, 0.2601



1.1721, 0.4857, 0.2449

Inverse Universe

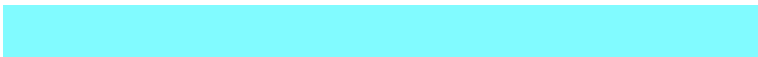
The Inverse Universe completely reimagines the original color for something new.



40.5436, 0.3861, 0.2696



34.3209, 0.4083, 0.2601



80.7547, 0.2469, 0.3240



18.1262, 0.3222, 0.3181



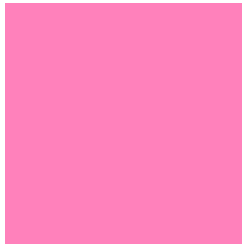
11.8144, 0.5132, 0.2601



1.1721, 0.4857, 0.2449

Previews

White Background



This preview shows how the Yxy color 40.5484, 0.3861, 0.2696 looks on a white background.

Color Contrast Check

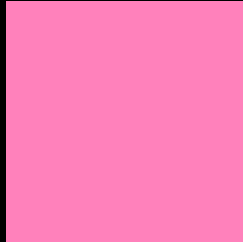
Large Text (above 18pt) WCAG AA × Fail

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 40.5484, 0.3861, 0.2696 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

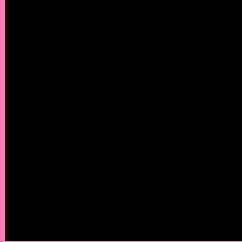
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.5484, 0.3861, 0.2696

Background



This preview shows how black text looks on a background with the Yxy color 40.5484, 0.3861, 0.2696.



This preview shows how white text looks on a background with the Yxy color 40.5484, 0.3861, 0.2696.

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

40.5484, 0.3861, 0.2696

Protanopia

40.7571, 0.2721, 0.2711

Deuteranopia

40.6759, 0.3155, 0.3092



Tritanopia

40.5071, 0.4249, 0.3188

Trichromacy



Original Color

40.5484, 0.3861, 0.2696



Protanomaly

39.0729, 0.3072, 0.2670



Deuteranomaly

39.7567, 0.3399, 0.2923



Tritanomaly

40.3543, 0.4100, 0.2998

Monochromacy



Original Color

40.5484, 0.3861, 0.2696



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

40.0248, 0.3382, 0.3027

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5484, 0.3861, 0.2696 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, 129, 187)` looks like.

```
.text, #text, p{  
    color:rgb(255, 129, 187)  
}
```

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, 129, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 129, 187) }
```

Border

The CSS property to change the border of an element to Yxy 40.5484, 0.3861, 0.2696 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, 129, 187) }
```

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

```
.border{ border-color:rgb(255, 129, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 129, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 129, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 129, 187);  
box-shadow:4px 4px 4px 4px rgb(255, 129,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5484, 0.3861, 0.2696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 129, 187) }
```

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

```
.background{ background-color: rgb(255,  
129, 187) }
```

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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