

Converting Colors

$Y_{xy}(40.5733, 0.3748, 0.2577)$

Have a look what the booklet for
Yxy(40.5733, 0.3748, 0.2577)
contains.

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Color

Yxy(40.5160, 0.3743, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	FF7FC6
RGB	255, 127, 198
RGB Percent	100%, 50%, 78%
CMY	0.0002, 0.5018, 0.2236
CMYK	0.00, 0.50, 0.22, 0.00
HSL	327°, 100%, 75%
HSV	327°, 50%, 100%
XYZ	59.0083, 40.5160, 58.1255
YIQ	173.3660, 53.4970, 49.2170

Conversions

Conversions Part 2

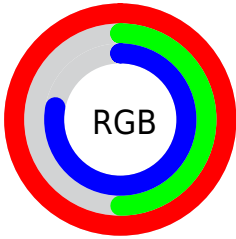
Format	Color
R_{YB}	255, 127, 198
Decimal	16744390
CIE Lab	69.84, 56.56, -14.25
CIE LCh	70, 58.329, 345.859
Yxy	40.5160, 0.3743, 0.2570
Android (android.graphics.Color)	4294934470 (0xFFFF7FC6)
YUV	173.3660, 12.1446, 71.5930
Hunter-Lab	63.6522, 54.0859, -9.5855

Details

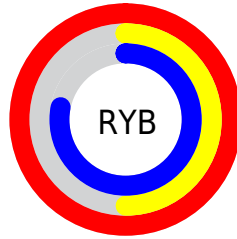
The Yxy color $40.5160, 0.3743, 0.2570$ is a light color, and the websafe version is hex FF99CC . A complement of this color would be $79.4680, 0.2790, 0.4171$, and the grayscale version is $41.9069, 0.3127, 0.3290$.

A 20% lighter version of the original color is $62.3470, 0.3160, 0.2585$, and $18.3841, 0.3919, 0.2392$ is the 20% darker color. If you saturate the color by 10%, you get $34.2376, 0.3929, 0.2452$, and if you desaturate by 10%, it is $48.5037, 0.3578, 0.2708$.

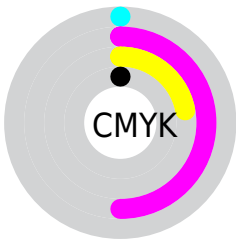
Distribution



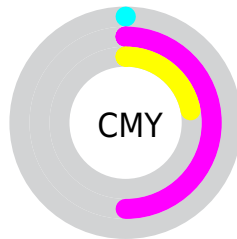
- Red (100%)
- Green (50%)
- Blue (78%)



- Red (100%)
- Yellow (50%)
- Blue (78%)



- Cyan (0%)
- Magenta (50%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (50%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.5160, 0.3743, 0.2570 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 40.5160, 0.3743, 0.2570 by changing the saturation by 10% instead.


 40.5160, 0.3743,
0.2570


 40.5160, 0.3743,
0.2570


348.2937, 0.3440,
0.2916

 27.9411, 0.3817,
0.2488


 75.9486, 0.3634,
0.2692

 18.2813, 0.3911,
0.2385


 99.5751, 0.3593,
0.2739

 11.1521, 0.4034,
0.2253


 127.6543, 0.3558,
0.2780

 6.1692, 0.4203,
0.2078

160.5705, 0.3527,
0.2814

 2.9483, 0.4445,
0.1834

198.7081, 0.3501,
0.2845

 1.1048, 0.4819,
0.1479

242.4516, 0.3478,

 0.0000, 0.6023,

0.2871

0.0000

292.1853, 0.3458,
0.2895

■ 0.0000, 1.0000,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.5160, 0.3743,
0.2570

■ 40.5160, 0.3743,
0.2570

■ 34.2376, 0.3929,
0.2452

■ 48.5037, 0.3578,
0.2708

■ 29.5335, 0.4133,
0.2367

■ 58.3103, 0.3436,
0.2855

■ 26.2579, 0.4347,
0.2326

■ 70.0434, 0.3315,
0.3004

■ 24.2347, 0.4562,
0.2338

■ 83.8001, 0.3213,
0.3149

■ 23.1864, 0.4766,
0.2399

99.6712, 0.3128,
0.3288

99.9915, 0.3127,
0.3290

Harmonies

Analogous

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



40.5160, 0.2872, 0.2191



40.5160, 0.3743, 0.2570



40.5160, 0.4501, 0.3100

Triad

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



40.5160, 0.3743, 0.2570



40.5160, 0.3978, 0.4777



40.5160, 0.1689, 0.2519

Complementary

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



40.5160, 0.3743, 0.2570



79.4680, 0.2790, 0.4171

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.



40.5160, 0.1896, 0.3268



40.5160, 0.3743, 0.2570



40.5160, 0.3189, 0.4810

Square

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



40.5160, 0.3743, 0.2570



40.5160, 0.4586, 0.4308



40.5160, 0.2426, 0.4199



40.5160, 0.1790, 0.2119

Rectangle

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



40.5160, 0.3743, 0.2570



40.5160, 0.4769, 0.3498



40.5160, 0.2426, 0.4199



40.5160, 0.1723, 0.2731

Sweetspot

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



40.5180, 0.3743, 0.2570



76.9278, 0.3260, 0.3080



32.4099, 0.2561, 0.1842



15.8531, 0.3281, 0.3049



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.



40.5180, 0.3743, 0.2570



34.3443, 0.3926, 0.2454



38.2070, 0.4468, 0.3207



18.1557, 0.3207, 0.3159



12.1508, 0.4733, 0.2381



1.2051, 0.4511, 0.2259

Inverse Universe

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



40.5180, 0.3743, 0.2570



34.3443, 0.3926, 0.2454



82.6868, 0.2507, 0.3387



18.1557, 0.3207, 0.3159



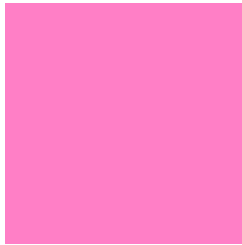
12.1508, 0.4733, 0.2381



1.2051, 0.4511, 0.2259

Previews

White Background



This preview shows how the Yxy color 40.5160, 0.3743, 0.2570 looks on a white background.

Color Contrast Check

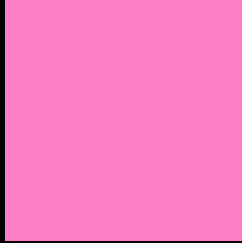
Large Text (above 18pt) WCAG AA × Fail

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 40.5160, 0.3743, 0.2570 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 40.5160, 0.3743, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 40.5160, 0.3743, 0.2570.

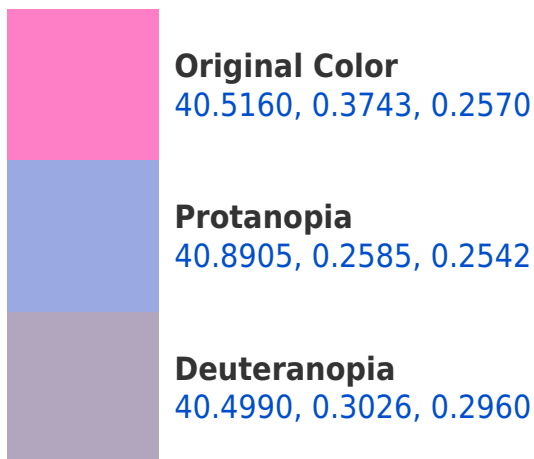


This preview shows how white text looks on a background with the Yxy color 40.5160, 0.3743, 0.2570.

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

40.3219, 0.4239, 0.3187

Trichromacy



Original Color

40.5160, 0.3743, 0.2570



Protanomaly

39.1454, 0.2937, 0.2530



Deuteranomaly

39.4733, 0.3267, 0.2778



Tritanomaly

40.2237, 0.4058, 0.2946

Monochromacy



Original Color

40.5160, 0.3743, 0.2570



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

39.8508, 0.3346, 0.2965

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.5160, 0.3743, 0.2570 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, 127, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 127, 198)  
}
```

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, 127, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 127, 198) }
```

Border

The CSS property to change the border of an element to Yxy 40.5160, 0.3743, 0.2570 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, 127, 198) }
```

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

```
.border{ border-color:rgb(255, 127, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 127, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 127, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 127, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 127,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 40.5160, 0.3743, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 127, 198) }
```

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

```
.background{ background-color: rgb(255,  
127, 198) }
```

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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