

Converting Colors

$Y_{xy}(47.1653, 0.3920, 0.3062)$

Have a look what the booklet for
Yxy(47.1653, 0.3920, 0.3062)
contains.

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Color

Yxy(47.1376, 0.3921, 0.3061)

Conversions

Conversions Part 1

Format	Color
Hex	FF99AF
RGB	255, 153, 175
RGB Percent	100%, 60%, 69%
CMY	0.0000, 0.4001, 0.3137
CMYK	0.00, 0.40, 0.31, 0.00
HSL	347°, 100%, 80%
HSV	347°, 40%, 100%
XYZ	60.3811, 47.1376, 46.4754
YIQ	186.0060, 53.7300, 28.4660

Conversions

Conversions Part 2

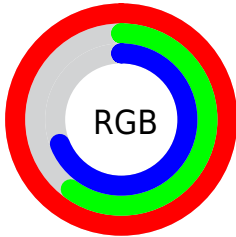
Format	Color
R_{YB}	255, 153, 175
Decimal	16751023
CIE _{Lab}	74.28, 40.70, 5.07
CIE _{LCh}	74, 41.010, 7.095
Yxy	47.1376, 0.3921, 0.3061
Android (android.graphics.Color)	4294941103 (0xFFFF99AF)
YUV	186.0060, -5.4260, 60.5077
Hunter-Lab	68.6568, 36.8346, 7.9250

Details

The Yxy color **47.1376, 0.3921, 0.3061** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **84.1724, 0.2675, 0.3541**, and the grayscale version is **49.1077, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.5741, 0.3324, 0.3080**, and **22.2802, 0.4142, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **38.9303, 0.4236, 0.3009**, and if you desaturate by 10%, it is **57.2329, 0.3657, 0.3119**.

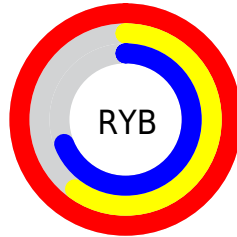
Distribution



Red (100%)

Green (60%)

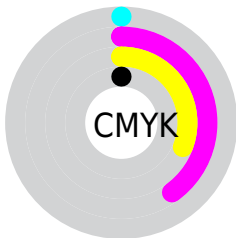
Blue (69%)



Red (100%)

Yellow (60%)

Blue (69%)

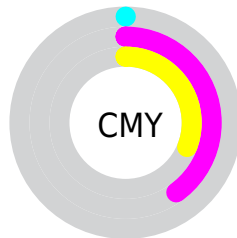


Cyan (0%)

Magenta (40%)

Yellow (31%)

Black (0%)



Cyan (0%)


Magenta (40%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1376, 0.3921, 0.3061 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 47.1376, 0.3921, 0.3061 by changing the saturation by 10% instead.


 47.1376, 0.3921,
0.3061

 47.1376, 0.3921,
0.3061


375.3635, 0.3523,
0.3180

 33.1444, 0.4020,
0.3030


 85.9190, 0.3776,
0.3105

 22.2371, 0.4147,
0.2989


 111.4760, 0.3722,
0.3122

 14.0312, 0.4315,
0.2934


141.6564, 0.3676,
0.3136

 8.1424, 0.4549,
0.2856

176.8447, 0.3637,
0.3147

 4.1862, 0.4891,
0.2736

217.4251, 0.3603,
0.3157

 1.7783, 0.5436,
0.2533

263.7821, 0.3573,

 0.4736, 0.7157,

0.3166

0.2120

316.3001, 0.3547,
0.3174

0.0000, 1.0000,
0.0000

0.0000, 0.0000,
0.0000

47.1376, 0.3921,
0.3061

47.1376, 0.3921,
0.3061

38.9303, 0.4236,
0.3009

57.2329, 0.3657,
0.3119

32.5088, 0.4603,
0.2971

69.3430, 0.3442,
0.3179

27.7337, 0.5006,
0.2957

83.5630, 0.3268,
0.3236

24.4527, 0.5416,
0.2977

99.9872, 0.3127,
0.3290

■ 22.4844, 0.5786,
0.3035

100.0000, 0.3127,
0.3290

■ 21.5363, 0.6074,
0.3120

Harmonies

Analogous

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



47.1376, 0.3379, 0.2692



47.1376, 0.3921, 0.3061



47.1376, 0.4236, 0.3498

Triad

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



47.1376, 0.3921, 0.3061



47.1376, 0.3369, 0.4316



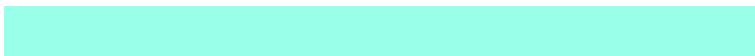
47.1376, 0.2134, 0.2546

Complementary

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



47.1376, 0.3921, 0.3061



84.1724, 0.2675, 0.3541

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.



47.1376, 0.2132, 0.2920



47.1376, 0.3921, 0.3061



47.1376, 0.2814, 0.4021

Square

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



47.1376, 0.3921, 0.3061



47.1376, 0.3885, 0.4251



47.1376, 0.2368, 0.3471



47.1376, 0.2367, 0.2396

Rectangle

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



47.1376, 0.3921, 0.3061



47.1376, 0.4259, 0.3791



47.1376, 0.2368, 0.3471



47.1376, 0.2107, 0.2646

Sweetspot

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



47.1317, 0.3921, 0.3061



80.5564, 0.3300, 0.3225



47.3025, 0.2990, 0.2245



16.8306, 0.3321, 0.3217



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.



47.1317, 0.3921, 0.3061



40.4297, 0.4169, 0.3019



56.9688, 0.4020, 0.3596



18.0512, 0.3260, 0.3239



11.2709, 0.6037, 0.3099



1.1127, 0.5732, 0.2932

Inverse Universe

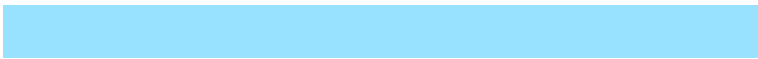
The Inverse Universe completely reimagines the original color for something new.



47.1317, 0.3921, 0.3061



40.4297, 0.4169, 0.3019



68.4348, 0.2522, 0.2955



18.0512, 0.3260, 0.3239



11.2709, 0.6037, 0.3099



1.1127, 0.5732, 0.2932

Previews

White Background



This preview shows how the Yxy color 47.1376, 0.3921, 0.3061 looks on a white background.

Color Contrast Check

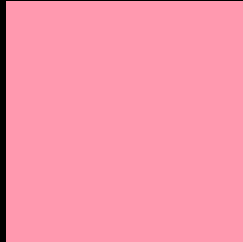
Large Text (above 18pt) WCAG AA × Fail

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 47.1376, 0.3921, 0.3061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

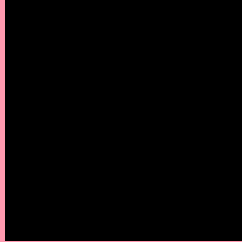
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.1376, 0.3921, 0.3061

Background



This preview shows how black text looks on a background with the Yxy color 47.1376, 0.3921, 0.3061.

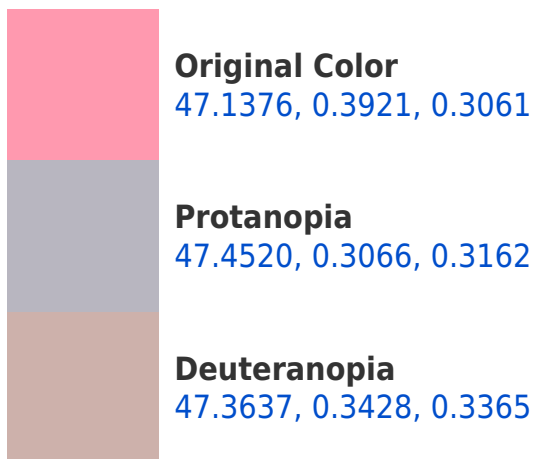


This preview shows how white text looks on a background with the Yxy color 47.1376, 0.3921, 0.3061.

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

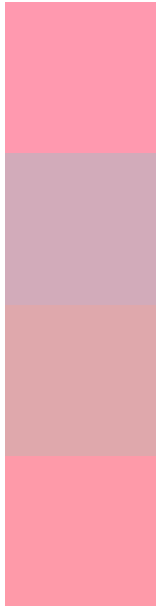




Tritanopia

47.2667, 0.3997, 0.3176

Trichromacy



Original Color

47.1376, 0.3921, 0.3061

Protanomaly

46.3726, 0.3353, 0.3109

Deuteranomaly

46.6718, 0.3606, 0.3244

Tritanomaly

47.0466, 0.3970, 0.3134

Monochromacy



Original Color

47.1376, 0.3921, 0.3061

Achromatopsia

49.1021, 0.3127, 0.3290

Achromatomaly

47.4984, 0.3392, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.1376, 0.3921, 0.3061 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, 153, 175)` looks like.

```
.text, #text, p{  
    color:rgb(255, 153, 175)  
}
```

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, 153, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 153, 175) }
```

Border

The CSS property to change the border of an element to Yxy 47.1376, 0.3921, 0.3061 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, 153, 175) }
```

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

```
.border{ border-color:rgb(255, 153, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 153, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 153, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 153, 175);  
box-shadow:4px 4px 4px 4px rgb(255, 153,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 47.1376, 0.3921, 0.3061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 153, 175) }
```

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

```
.background{ background-color: rgb(255,  
153, 175) }
```

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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