

# Converting Colors

$Yxy(46.3043, 0.3879, 0.3023)$

Have a look what the booklet for  
Yxy(46.3043, 0.3879, 0.3023)  
contains.

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# Color

**Yxy(46.3262, 0.3875, 0.3027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FC98B1
RGB	252, 152, 177
RGB Percent	99%, 60%, 69%
CMY	0.0118, 0.4039, 0.3059
CMYK	0.00, 0.40, 0.30, 0.01
HSL	345°, 94%, 79%
HSV	345°, 40%, 99%
XYZ	59.3043, 46.3262, 47.4128
YIQ	184.7500, 51.5750, 28.9750

# Conversions

## Conversions Part 2

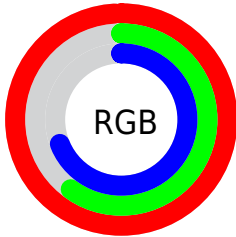
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	252, 152, 177
Decimal	16554161
CIE <sub>Lab</sub>	73.76, 40.37, 3.16
CIE <sub>LCh</sub>	74, 40.495, 4.477
Yxy	46.3262, 0.3875, 0.3027
Android (android.graphics.Color)	4294744241 (0xFFFC98B1)
YUV	184.7500, -3.8207, 58.9783
Hunter-Lab	68.0634, 36.4179, 6.3430

# Details

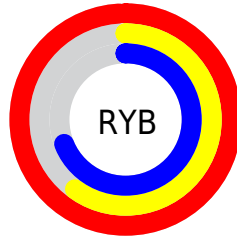
The Yxy color **46.3262, 0.3875, 0.3027** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **81.8323, 0.2695, 0.3579**, and the grayscale version is **48.3717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.2549, 0.3303, 0.3040**, and **21.7418, 0.4080, 0.2942** is the 20% darker color. If you saturate the color by 10%, you get **38.2962, 0.4173, 0.2966**, and if you desaturate by 10%, it is **56.2024, 0.3626, 0.3095**.

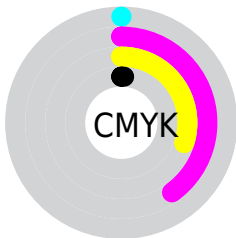
# Distribution



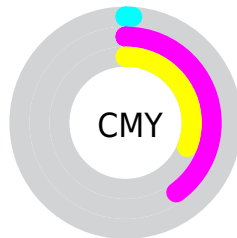
- Red (99%)
- Green (60%)
- Blue (69%)



- Red (99%)
- Yellow (60%)
- Blue (69%)



- Cyan (0%)
- Magenta (40%)
- Yellow (30%)
- Black (1%)




- Cyan (1%)
- Magenta (40%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.3262, 0.3875, 0.3027 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 46.3262, 0.3875, 0.3027 by changing the saturation by 10% instead.





 46.3262, 0.3875,  
0.3027


 46.3262, 0.3875,  
0.3027


372.1185, 0.3500,  
0.3162

 32.5033, 0.3969,  
0.2993


 84.7070, 0.3739,  
0.3077

 21.7462, 0.4089,  
0.2948


 110.0336, 0.3687,  
0.3095

 13.6705, 0.4248,  
0.2888


139.9637, 0.3644,  
0.3111

 7.8919, 0.4470,  
0.2803

174.8815, 0.3607,  
0.3124

 4.0258, 0.4797,  
0.2675

215.1715, 0.3575,  
0.3135

 1.6880, 0.5321,  
0.2463

261.2181, 0.3547,

 0.4159, 0.6990,

0.3145

0.1933

313.4056, 0.3522,  
0.3154

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

46.3262, 0.3875,  
0.3027

46.3262, 0.3875,  
0.3027

38.2962, 0.4173,  
0.2966

56.2024, 0.3626,  
0.3095

31.9904, 0.4519,  
0.2919

68.0234, 0.3423,  
0.3163

27.2828, 0.4903,  
0.2898

81.8887, 0.3257,  
0.3230

24.0269, 0.5298,  
0.2913

97.8889, 0.3123,  
0.3292

■ 22.0489, 0.5665,  
0.2971

99.4321, 0.3109,  
0.3290

■ 21.0758, 0.5965,  
0.3062

■ 21.0508, 0.5974,  
0.3065

# Harmonies

## Analogous

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



46.3262, 0.3326, 0.2669



46.3262, 0.3875, 0.3027



46.3262, 0.4214, 0.3458

# Triad

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



46.3262, 0.3875, 0.3027



46.3262, 0.3416, 0.4317



46.3262, 0.2131, 0.2575

# Complementary

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



46.3262, 0.3875, 0.3027



81.8323, 0.2695, 0.3579

# 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.



46.3262, 0.2150, 0.2965



46.3262, 0.3875, 0.3027



46.3262, 0.2862, 0.4055

# Square

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



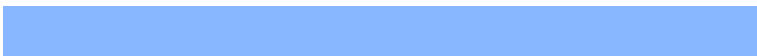
46.3262, 0.3875, 0.3027



46.3262, 0.3918, 0.4225



46.3262, 0.2405, 0.3521



46.3262, 0.2343, 0.2406



# Rectangle

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



46.3262, 0.3875, 0.3027



46.3262, 0.4257, 0.3752



46.3262, 0.2405, 0.3521



46.3262, 0.2111, 0.2681

# Sweetspot

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



46.3285, 0.3875, 0.3027



80.6155, 0.3293, 0.3215



45.8184, 0.2964, 0.2246



16.8444, 0.3313, 0.3206



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.



46.3285, 0.3875, 0.3027



40.5771, 0.4121, 0.2975



54.4071, 0.4024, 0.3558



17.2964, 0.3254, 0.3231



10.9871, 0.5934, 0.3042



1.0338, 0.5602, 0.2860



# Inverse Universe

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



46.3285, 0.3875, 0.3027



40.5771, 0.4121, 0.2975



68.6372, 0.2533, 0.2999



17.2964, 0.3254, 0.3231



10.9871, 0.5934, 0.3042

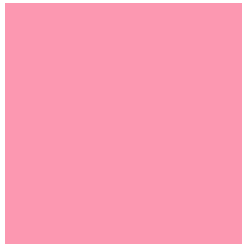


1.0338, 0.5602, 0.2860



# Previews

## White Background



This preview shows how the Yxy color 46.3262, 0.3875, 0.3027 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

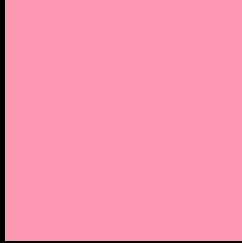
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.3262, 0.3875, 0.3027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

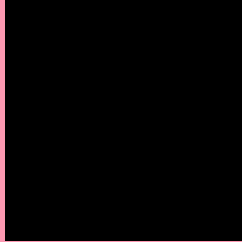
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 46.3262, 0.3875, 0.3027**

## Background



This preview shows how black text looks on a background with the Yxy color 46.3262, 0.3875, 0.3027.



This preview shows how white text looks on a background with the Yxy color 46.3262, 0.3875, 0.3027.

# 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

46.3262, 0.3875, 0.3027

### Protanopia

46.7665, 0.3026, 0.3123

### Deuteranopia

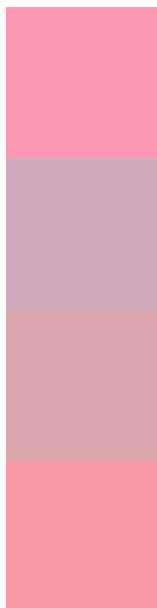
46.6244, 0.3385, 0.3328



## Tritanopia

46.3370, 0.3983, 0.3175

# Trichromacy



## Original Color

46.3262, 0.3875, 0.3027

## Protanomaly

45.6457, 0.3309, 0.3071

## Deuteranomaly

45.9091, 0.3562, 0.3208

## Tritanomaly

46.1563, 0.3945, 0.3122

# Monochromacy



## Original Color

46.3262, 0.3875, 0.3027

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

46.8198, 0.3376, 0.3181

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.3262, 0.3875, 0.3027 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(252, 152, 177)` looks like.

```
.text, #text, p{  
    color:rgb(252, 152, 177)  
}
```

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(252, 152, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 152, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 46.3262, 0.3875, 0.3027 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(252, 152, 177) }
```

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

```
.border{ border-color:rgb(252, 152, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 152, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(252, 152, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(252, 152, 177); box-shadow:4px 4px 4px 4px rgb(252, 152, 177) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.3262, 0.3875, 0.3027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 152, 177) }
```

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

```
.background{ background-color: rgb(252,  
152, 177) }
```

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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