

# Converting Colors

$Y_{xy}(42.2488, 0.4202, 0.3179)$

Have a look what the booklet for  
Yxy(42.2488, 0.4202, 0.3179)  
contains.

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# Color

**Yxy(42.3876, 0.4203, 0.3178)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FE8D98
RGB	254, 141, 152
RGB Percent	100%, 55%, 60%
CMY	0.0040, 0.4470, 0.4039
CMYK	0.00, 0.44, 0.40, 0.00
HSL	354°, 98%, 77%
HSV	354°, 44%, 100%
XYZ	56.0589, 42.3876, 34.9318
YIQ	176.0410, 63.8170, 27.3770

# Conversions

## Conversions Part 2

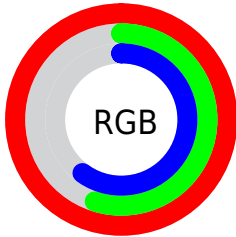
Format	Color
R <sub>Y</sub> B	254, 141, 152
Decimal	16682392
CIE Lab	71.14, 43.72, 13.32
CIE LCh	71, 45.706, 16.946
Yxy	42.3876, 0.4203, 0.3178
Android (android.graphics.Color)	4294872472 (0xFFFE8D98)
YUV	176.0410, -11.8522, 68.3700
Hunter-Lab	65.1058, 39.7611, 13.7627

# Details

The Yxy color **42.3876, 0.4203, 0.3178** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **83.0044, 0.2575, 0.3414**, and the grayscale version is **43.4790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1961, 0.3527, 0.3188**, and **19.3884, 0.4527, 0.3125** is the 20% darker color. If you saturate the color by 10%, you get **35.0577, 0.4599, 0.3159**, and if you desaturate by 10%, it is **51.5842, 0.3868, 0.3202**.

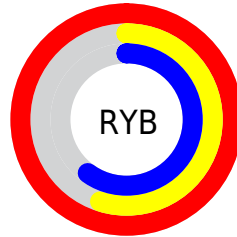
# Distribution



Red (100%)

Green (55%)

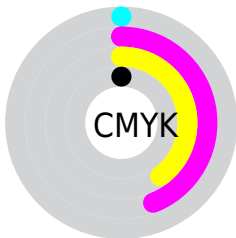
Blue (60%)



Red (100%)

Yellow (55%)

Blue (60%)

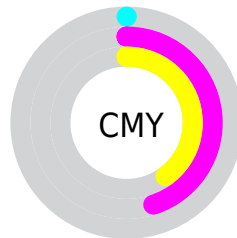


Cyan (0%)

Magenta (44%)

Yellow (40%)

Black (0%)



Cyan (0%)

Magenta (45%)


Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.3876, 0.4203, 0.3178 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 42.3876, 0.4203, 0.3178 by changing the saturation by 10% instead.




 42.3876, 0.4203,  
0.3178


 42.3876, 0.4203,  
0.3178


356.0872, 0.3652,  
0.3251

 29.4049, 0.4343,  
0.3154


 78.7859, 0.4000,  
0.3209

 19.3873, 0.4524,  
0.3121


 102.9703, 0.3925,  
0.3219

 11.9505, 0.4766,  
0.3071


131.6574, 0.3862,  
0.3227

 6.7100, 0.5104,  
0.2992

165.2316, 0.3807,  
0.3234

 3.2814, 0.5600,  
0.2855

204.0773, 0.3761,  
0.3239

 1.2803, 0.6510,  
0.2642

248.5788, 0.3720,

 0.1259, 0.9076,

0.3244

0.0924

299.1207, 0.3684,  
0.3248

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

42.3876, 0.4203,  
0.3178

42.3876, 0.4203,  
0.3178

35.0577, 0.4599,  
0.3159

51.5842, 0.3868,  
0.3202

29.4606, 0.5043,  
0.3151

62.7564, 0.3594,  
0.3229

25.4552, 0.5500,  
0.3159

76.0124, 0.3372,  
0.3255

22.8752, 0.5909,  
0.3186

91.4507, 0.3195,  
0.3279

■ 21.5171, 0.6208,  
0.3229

99.8064, 0.3121,  
0.3290

■ 21.1352, 0.6314,  
0.3252

# Harmonies

## Analogous

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



42.3876, 0.3635, 0.2733



42.3876, 0.4203, 0.3178



42.3876, 0.4440, 0.3677

# Triad

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



42.3876, 0.4203, 0.3178



42.3876, 0.3180, 0.4424



42.3876, 0.2059, 0.2355

# Complementary

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



42.3876, 0.4203, 0.3178



83.0044, 0.2575, 0.3414

# 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.



42.3876, 0.1969, 0.2687



42.3876, 0.4203, 0.3178



42.3876, 0.2572, 0.3952

# Square

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



42.3876, 0.4203, 0.3178



42.3876, 0.3806, 0.4462



42.3876, 0.2142, 0.3267



42.3876, 0.2399, 0.2274



# Rectangle

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



42.3876, 0.4203, 0.3178



42.3876, 0.4373, 0.4001



42.3876, 0.2142, 0.3267



42.3876, 0.2000, 0.2437

# Sweetspot

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



42.3897, 0.4203, 0.3178



78.8630, 0.3344, 0.3258



45.2086, 0.3081, 0.2168



16.1927, 0.3387, 0.3253



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.



42.3897, 0.4203, 0.3178



36.3499, 0.4538, 0.3162



58.1940, 0.4094, 0.3765



18.0157, 0.3279, 0.3267



11.1544, 0.6293, 0.3240



1.0952, 0.6084, 0.3125



# Inverse Universe

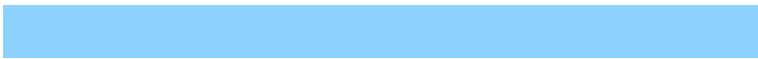
The Inverse Universe completely reimagines the original color for something new.



42.3897, 0.4203, 0.3178



36.3499, 0.4538, 0.3162



58.3193, 0.2433, 0.2748



18.0157, 0.3279, 0.3267



11.1544, 0.6293, 0.3240



1.0952, 0.6084, 0.3125



# Previews

## White Background



This preview shows how the Yxy color 42.3876, 0.4203, 0.3178 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

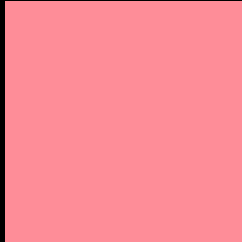
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.3876, 0.4203, 0.3178 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 42.3876, 0.4203, 0.3178**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.3876, 0.4203, 0.3178.



This preview shows how white text looks on a background with the Yxy color 42.3876, 0.4203, 0.3178.

# 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

42.3876, 0.4203, 0.3178

### Protanopia

42.7204, 0.3214, 0.3358

### Deuteranopia

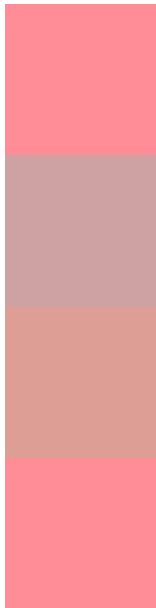
42.5294, 0.3631, 0.3562



## Tritanopia

42.3549, 0.4214, 0.3188

# Trichromacy



**Original Color**

42.3876, 0.4203, 0.3178

**Protanomaly**

41.6068, 0.3545, 0.3279

**Deuteranomaly**

41.8393, 0.3834, 0.3401

**Tritanomaly**

42.3549, 0.4214, 0.3188

# Monochromacy



**Original Color**

42.3876, 0.4203, 0.3178

**Achromatopsia**

43.4154, 0.3127, 0.3290

**Achromatomaly**

41.8218, 0.3485, 0.3241

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.3876, 0.4203, 0.3178 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(254, 141, 152)` looks like.

```
.text, #text, p{  
    color:rgb(254, 141, 152)  
}
```

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(254, 141, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 141, 152) }
```

## Border

The CSS property to change the border of an element to Yxy 42.3876, 0.4203, 0.3178 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(254, 141, 152) }
```

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

```
.border{ border-color:rgb(254, 141, 152) }
```

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

Here you see how a box with a 4 pixel rgb(254, 141, 152) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 141, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 141, 152);  
box-shadow:4px 4px 4px 4px rgb(254, 141,  
152) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.3876, 0.4203, 0.3178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 141, 152) }
```

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

```
.background{ background-color: rgb(254,  
141, 152) }
```

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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