

# Converting Colors

$Y_{xy}(41.1793, 0.4144, 0.3031)$

Have a look what the booklet for  
Yxy(41.1793, 0.4144, 0.3031)  
contains.

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# Color

**Yxy(41.1260, 0.4148, 0.3033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF87A0
RGB	255, 135, 160
RGB Percent	100%, 53%, 63%
CMY	0.0000, 0.4705, 0.3726
CMYK	0.00, 0.47, 0.37, 0.00
HSL	348°, 100%, 76%
HSV	348°, 47%, 100%
XYZ	56.2449, 41.1260, 38.2243
YIQ	173.7300, 63.4950, 33.2150

# Conversions

## Conversions Part 2

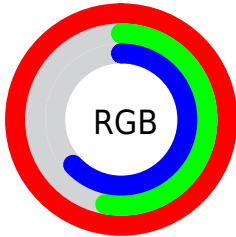
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 135, 160
Decimal	16746400
CIE Lab	70.26, 47.95, 7.64
CIE LCh	70, 48.554, 9.057
Yxy	41.1260, 0.4148, 0.3033
Android (android.graphics.Color)	4294936480 (0xFFFF87A0)
YUV	173.7300, -6.7689, 71.2738
Hunter-Lab	64.1296, 44.3268, 9.5510

# Details

The Yxy color **41.1260, 0.4148, 0.3033** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **82.3792, 0.2610, 0.3581**, and the grayscale version is **42.1945, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4279, 0.3463, 0.3045**, and **18.5911, 0.4451, 0.2934** is the 20% darker color. If you saturate the color by 10%, you get **34.1933, 0.4504, 0.2992**, and if you desaturate by 10%, it is **49.8812, 0.3845, 0.3086**.

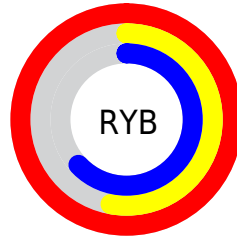
# Distribution



Red (100%)

Green (53%)

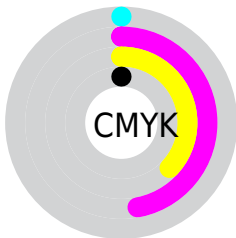
Blue (63%)



Red (100%)

Yellow (53%)

Blue (63%)

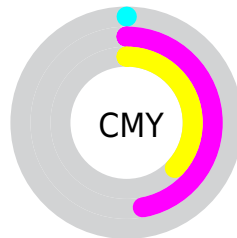


Cyan (0%)

Magenta (47%)

Yellow (37%)

Black (0%)



Cyan (0%)

Magenta (47%)

Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 41.1260, 0.4148, 0.3033 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 41.1260, 0.4148, 0.3033 by changing the saturation by 10% instead.





 41.1260, 0.4148,  
0.3033


 41.1260, 0.4148,  
0.3033


350.8470, 0.3625,  
0.3174


 28.4176, 0.4282,  
0.2994


 76.8751, 0.3955,  
0.3087

 18.6407, 0.4455,  
0.2942


 100.6846, 0.3884,  
0.3106

 11.4109, 0.4687,  
0.2870


 128.9632, 0.3823,  
0.3122

 6.3439, 0.5013,  
0.2763

162.0953, 0.3772,  
0.3136

 3.0553, 0.5498,  
0.2593

200.4654, 0.3728,  
0.3148

 1.1607, 0.6307,  
0.2300

244.4577, 0.3689,

 0.0292, 0.9772,

0.3158

0.0228

294.4568, 0.3655,  
0.3166

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

41.1260, 0.4148,  
0.3033

41.1260, 0.4148,  
0.3033

34.1933, 0.4504,  
0.2992

49.8812, 0.3845,  
0.3086

28.9479, 0.4903,  
0.2971

60.5693, 0.3594,  
0.3142

25.2454, 0.5319,  
0.2981

73.2991, 0.3389,  
0.3199

22.9144, 0.5707,  
0.3027

88.1696, 0.3224,  
0.3254

■ 21.7371, 0.6019,  
0.3107

99.9978, 0.3127,  
0.3290

■ 21.5154, 0.6095,  
0.3131

# Harmonies

## Analogous

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



41.1260, 0.3479, 0.2592



41.1260, 0.4148, 0.3033



41.1260, 0.4510, 0.3552

# Triad

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



41.1260, 0.4148, 0.3033



41.1260, 0.3358, 0.4571



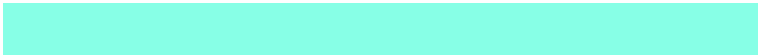
41.1260, 0.1941, 0.2357

# Complementary

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



41.1260, 0.4148, 0.3033



82.3792, 0.2610, 0.3581

# 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.



41.1260, 0.1917, 0.2779



41.1260, 0.4148, 0.3033



41.1260, 0.2688, 0.4177

# Square

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



41.1260, 0.4148, 0.3033



41.1260, 0.4001, 0.4481



41.1260, 0.2171, 0.3456



41.1260, 0.2231, 0.2208



# Rectangle

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



41.1260, 0.4148, 0.3033



41.1260, 0.4509, 0.3904



41.1260, 0.2171, 0.3456



41.1260, 0.1903, 0.2466

# Sweetspot

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



41.1281, 0.4148, 0.3033



77.6109, 0.3335, 0.3216



41.2091, 0.2956, 0.2064



15.9557, 0.3373, 0.3204



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.



41.1281, 0.4148, 0.3033



34.8431, 0.4465, 0.2995



51.3868, 0.4245, 0.3648



18.0489, 0.3261, 0.3241



11.2607, 0.6058, 0.3111



1.1114, 0.5757, 0.2945



# Inverse Universe

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



41.1281, 0.4148, 0.3033



34.8431, 0.4465, 0.2995



64.0826, 0.2427, 0.2885



18.0489, 0.3261, 0.3241



11.2607, 0.6058, 0.3111



1.1114, 0.5757, 0.2945



# Previews

## White Background



This preview shows how the Yxy color 41.1260, 0.4148, 0.3033 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

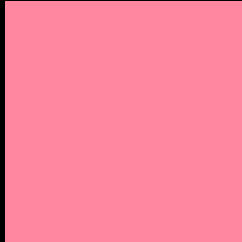
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 41.1260, 0.4148, 0.3033 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 41.1260, 0.4148, 0.3033**

## **Background**



This preview shows how black text looks on a background with the Yxy color 41.1260, 0.4148, 0.3033.



This preview shows how white text looks on a background with the Yxy color 41.1260, 0.4148, 0.3033.

# 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

41.1260, 0.4148, 0.3033

### Protanopia

41.3053, 0.3071, 0.3168

### Deuteranopia

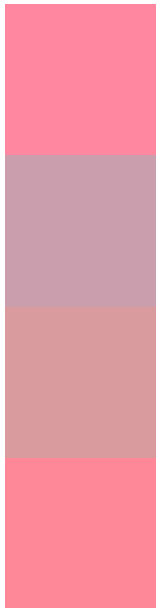
41.2411, 0.3503, 0.3435



## Tritanopia

41.0687, 0.4277, 0.3189

# Trichromacy



## Original Color

41.1260, 0.4148, 0.3033

## Protanomaly

40.1674, 0.3428, 0.3101

## Deuteranomaly

40.6287, 0.3733, 0.3267

## Tritanomaly

40.9461, 0.4225, 0.3126

# Monochromacy



## Original Color

41.1260, 0.4148, 0.3033

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

40.7027, 0.3462, 0.3177

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 41.1260, 0.4148, 0.3033 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, 135, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 135, 160)  
}
```

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, 135, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 135, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 41.1260, 0.4148, 0.3033 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, 135, 160) }
```

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

```
.border{ border-color:rgb(255, 135, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 135, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 135, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 135, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 135,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 41.1260, 0.4148, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 135, 160) }
```

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

```
.background{ background-color: rgb(255,  
135, 160) }
```

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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