

# Converting Colors

$Y_{xy}(56.7797, 0.4734, 0.3054)$

Have a look what the booklet for  
Yxy(56.7797, 0.4734, 0.3054)  
contains.

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# Color

**Yxy(40.4069, 0.4125, 0.2971)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF84A3
RGB	255, 132, 163
RGB Percent	100%, 52%, 64%
CMY	0.0000, 0.4823, 0.3608
CMYK	0.00, 0.48, 0.36, 0.00
HSL	345°, 100%, 76%
HSV	345°, 48%, 100%
XYZ	56.1018, 40.4069, 39.4957
YIQ	172.3110, 63.3570, 35.7170

# Conversions

## Conversions Part 2

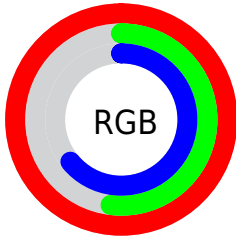
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 132, 163
Decimal	16745635
CIE Lab	69.76, 49.77, 5.22
CIE LCh	70, 50.046, 5.992
Yxy	40.4069, 0.4125, 0.2971
Android (android.graphics.Color)	4294935715 (0xFFFF84A3)
YUV	172.3110, -4.5903, 72.5183
Hunter-Lab	63.5664, 46.2975, 7.6579

# Details

The Yxy color **40.4069, 0.4125, 0.2971** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **81.8062, 0.2625, 0.3656**, and the grayscale version is **41.4221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2884, 0.3444, 0.2984**, and **18.1986, 0.4434, 0.2872** is the 20% darker color. If you saturate the color by 10%, you get **33.6844, 0.4464, 0.2921**, and if you desaturate by 10%, it is **48.9265, 0.3835, 0.3034**.

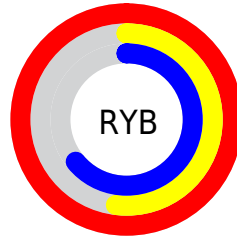
# Distribution



Red (100%)

Green (52%)

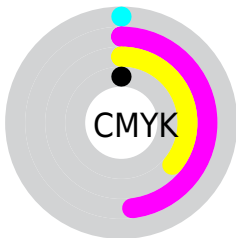
Blue (64%)



Red (100%)

Yellow (52%)

Blue (64%)

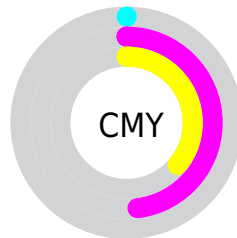


Cyan (0%)

Magenta (48%)

Yellow (36%)

Black (0%)



Cyan (0%)

Magenta (48%)


Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.4069, 0.4125, 0.2971 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 40.4069, 0.4125, 0.2971 by changing the saturation by 10% instead.





 40.4069, 0.4125,  
0.2971

 40.4069, 0.4125,  
0.2971


347.8356, 0.3613,  
0.3141

 27.8559, 0.4256,  
0.2926


 75.7827, 0.3936,  
0.3035

 18.2171, 0.4426,  
0.2866


 99.3764, 0.3866,  
0.3058

 11.1060, 0.4653,  
0.2784


 127.4197, 0.3807,  
0.3078

 6.1382, 0.4974,  
0.2664

160.2972, 0.3757,  
0.3094

 2.9293, 0.5453,  
0.2478

198.3931, 0.3714,  
0.3108

 1.0949, 0.6239,  
0.2161


242.0919, 0.3676,

 0.0000, 1.0000,

0.3121


0.0000


291.7779, 0.3643,  
0.3131


 0.0000, 0.0000,  
0.0000

 40.4069, 0.4125,  
0.2971

 40.4069, 0.4125,  
0.2971


 33.6844, 0.4464,  
0.2921


 48.9265, 0.3835,  
0.3034


 28.6228, 0.4843,  
0.2895

 59.3540, 0.3594,  
0.3103

 25.0767, 0.5238,  
0.2905

 71.7985, 0.3396,  
0.3172

 22.8720, 0.5611,  
0.2956

 86.3590, 0.3236,  
0.3239

 21.7704, 0.5921,  
0.3046

99.9995, 0.3127,  
0.3290

■ 21.6327, 0.5969,  
0.3062

# Harmonies

## Analogous

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



40.4069, 0.3412, 0.2530



40.4069, 0.4125, 0.2971



40.4069, 0.4543, 0.3499

# Triad

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



40.4069, 0.4125, 0.2971



40.4069, 0.3434, 0.4634



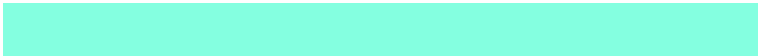
40.4069, 0.1889, 0.2356

# Complementary

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



40.4069, 0.4125, 0.2971



81.8062, 0.2625, 0.3656

# 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.



40.4069, 0.1892, 0.2819



40.4069, 0.4125, 0.2971



40.4069, 0.2736, 0.4278

# Square

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



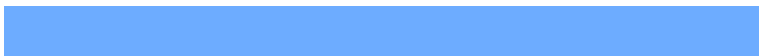
40.4069, 0.4125, 0.2971



40.4069, 0.4087, 0.4487



40.4069, 0.2181, 0.3541



40.4069, 0.2159, 0.2178



# Rectangle

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



40.4069, 0.4125, 0.2971



40.4069, 0.4571, 0.3863



40.4069, 0.2181, 0.3541



40.4069, 0.1859, 0.2477

# Sweetspot

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



40.4089, 0.4125, 0.2971



77.6977, 0.3324, 0.3201



39.2859, 0.2897, 0.2015



15.9766, 0.3360, 0.3186



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.



40.4089, 0.4125, 0.2971



33.8214, 0.4456, 0.2922



48.3127, 0.4319, 0.3592



18.0622, 0.3254, 0.3230



11.3239, 0.5929, 0.3040



1.1192, 0.5614, 0.2866



# Inverse Universe

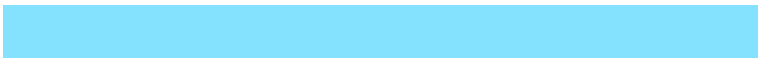
The Inverse Universe completely reimagines the original color for something new.



40.4089, 0.4125, 0.2971



33.8214, 0.4456, 0.2922



66.6820, 0.2426, 0.2949



18.0622, 0.3254, 0.3230



11.3239, 0.5929, 0.3040



1.1192, 0.5614, 0.2866



# Previews

## White Background



This preview shows how the Yxy color 40.4069, 0.4125, 0.2971 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

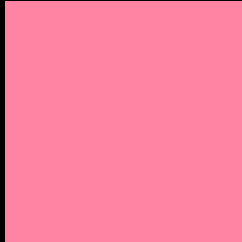
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.4069, 0.4125, 0.2971 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 40.4069, 0.4125, 0.2971**

## Background



This preview shows how black text looks on a background with the Yxy color 40.4069, 0.4125, 0.2971.

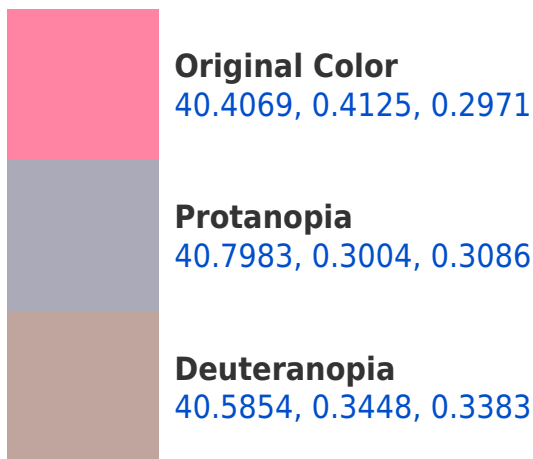


This preview shows how white text looks on a background with the Yxy color 40.4069, 0.4125, 0.2971.

# 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

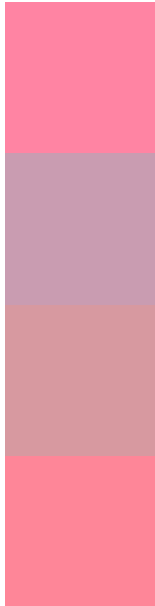




## Tritanopia

40.2549, 0.4300, 0.3189

# Trichromacy



## Original Color

40.4069, 0.4125, 0.2971

## Protanomaly

39.3688, 0.3374, 0.3025

## Deuteranomaly

39.7676, 0.3689, 0.3206

## Tritanomaly

40.3880, 0.4234, 0.3106

# Monochromacy



## Original Color

40.4069, 0.4125, 0.2971

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

39.5351, 0.3459, 0.3138

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.4069, 0.4125, 0.2971 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, 132, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 132, 163)  
}
```

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, 132, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 132, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 40.4069, 0.4125, 0.2971 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, 132, 163) }
```

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

```
.border{ border-color:rgb(255, 132, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 132, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 132, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 132, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 132,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.4069, 0.4125, 0.2971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 132, 163) }
```

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

```
.background{ background-color: rgb(255,  
132, 163) }
```

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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