

# Converting Colors

$Y_{xy}(43.1661, 0.3624, 0.2733)$

Have a look what the booklet for  
Yxy(43.1661, 0.3624, 0.2733)  
contains.

<b>Yxy(43.1651, 0.3624, 0.2733)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(43.1651, 0.3624, 0.2733)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F490C4
RGB	244, 144, 196
RGB Percent	96%, 56%, 77%
CMY	0.0432, 0.4352, 0.2314
CMYK	0.00, 0.41, 0.20, 0.04
HSL	329°, 82%, 76%
HSV	329°, 41%, 96%
XYZ	57.2376, 43.1651, 57.5377
YIQ	179.8280, 42.9080, 37.3720

# Conversions

## Conversions Part 2

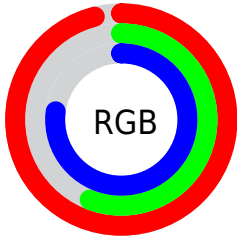
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 144, 196
Decimal	16027844
CIE <sub>Lab</sub>	71.67, 44.36, -10.54
CIE <sub>LCh</sub>	72, 45.593, 346.628
Yxy	43.1651, 0.3624, 0.2733
Android (android.graphics.Color)	4294217924 (0xFFFF490C4)
YUV	179.8280, 7.9728, 56.2788
Hunter-Lab	65.7002, 40.5329, -5.9338

# Details

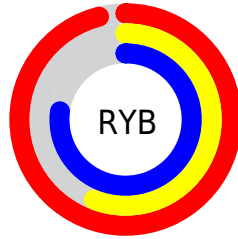
The Yxy color **43.1651, 0.3624, 0.2733** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **74.4215, 0.2820, 0.3933**, and the grayscale version is **45.4861, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1987, 0.3167, 0.2760**, and **19.8743, 0.3767, 0.2593** is the 20% darker color. If you saturate the color by 10%, you get **36.0441, 0.3805, 0.2605**, and if you desaturate by 10%, it is **51.9287, 0.3468, 0.2871**.

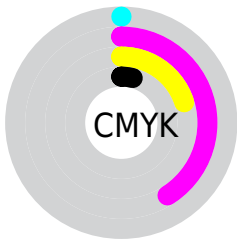
# Distribution



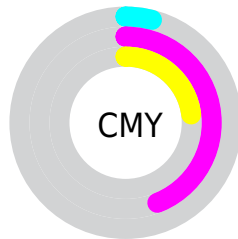
- Red (96%)
- Green (56%)
- Blue (77%)



- Red (96%)
- Yellow (56%)
- Blue (77%)



- Cyan (0%)
- Magenta (41%)
- Yellow (20%)
- Black (4%)




- Cyan (4%)
- Magenta (44%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1651, 0.3624, 0.2733 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 43.1651, 0.3624, 0.2733 by changing the saturation by 10% instead.





 43.1651, 0.3624,  
0.2733


 43.1651, 0.3624,  
0.2733


359.2903, 0.3379,  
0.3002

 30.0147, 0.3684,  
0.2669


 79.9599, 0.3536,  
0.2829

 19.8497, 0.3760,  
0.2587


 104.3732, 0.3502,  
0.2865

 12.2859, 0.3861,  
0.2482


133.3094, 0.3474,  
0.2897

 6.9387, 0.3999,  
0.2341

167.1531, 0.3450,  
0.2924

 3.4238, 0.4199,  
0.2141

206.2887, 0.3429,  
0.2947

 1.3568, 0.4515,  
0.1839

251.1004, 0.3410,

 0.1845, 0.5424,

0.2968

0.0752

301.9729, 0.3394,  
0.2986

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

43.1651, 0.3624,  
0.2733

43.1651, 0.3624,  
0.2733

36.0441, 0.3805,  
0.2605

51.9287, 0.3468,  
0.2871

30.4546, 0.4010,  
0.2497

62.4241, 0.3337,  
0.3011

26.2817, 0.4234,  
0.2421

74.7416, 0.3227,  
0.3148

23.3911, 0.4470,  
0.2391

88.9631, 0.3135,  
0.3278

■ 21.6223, 0.4705,  
0.2415

■ 97.9391, 0.3062,  
0.3294

■ 20.7569, 0.4910,  
0.2478

■ 97.9681, 0.3059,  
0.3290

# Harmonies

## Analogous

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



43.1651, 0.2956, 0.2416



43.1651, 0.3624, 0.2733



43.1651, 0.4189, 0.3174

# Triad

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



43.1651, 0.3624, 0.2733



43.1651, 0.3807, 0.4451



43.1651, 0.1978, 0.2698

# Complementary

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



43.1651, 0.3624, 0.2733



74.4215, 0.2820, 0.3933

# 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.



43.1651, 0.2153, 0.3275



43.1651, 0.3624, 0.2733



43.1651, 0.3187, 0.4416

# Square

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



43.1651, 0.3624, 0.2733



43.1651, 0.4272, 0.4139



43.1651, 0.2583, 0.3953



43.1651, 0.2064, 0.2364



# Rectangle

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



43.1651, 0.3624, 0.2733



43.1651, 0.4394, 0.3503



43.1651, 0.2583, 0.3953



43.1651, 0.2007, 0.2866

# Sweetspot

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



43.1671, 0.3624, 0.2733



81.0964, 0.3237, 0.3134



37.5167, 0.2718, 0.2138



16.9573, 0.3251, 0.3116



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.



43.1671, 0.3624, 0.2733



41.1799, 0.3769, 0.2627



41.2995, 0.4145, 0.3257



16.6265, 0.3212, 0.3168



11.3172, 0.4876, 0.2460



1.0155, 0.4609, 0.2313



# Inverse Universe

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



43.1671, 0.3624, 0.2733



41.1799, 0.3769, 0.2627



76.9452, 0.2580, 0.3327



16.6265, 0.3212, 0.3168



11.3172, 0.4876, 0.2460



1.0155, 0.4609, 0.2313



# Previews

## White Background



This preview shows how the Yxy color 43.1651, 0.3624, 0.2733 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

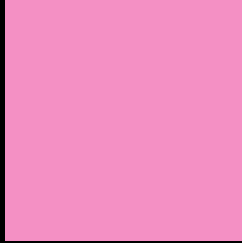
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1651, 0.3624, 0.2733 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

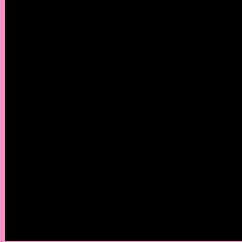
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.1651, 0.3624, 0.2733**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1651, 0.3624, 0.2733.



This preview shows how white text looks on a background with the Yxy color 43.1651, 0.3624, 0.2733.

# 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

43.1651, 0.3624, 0.2733

### Protanopia

43.3370, 0.2744, 0.2749

### Deuteranopia

43.3265, 0.3095, 0.3033



## Tritanopia

42.9466, 0.3925, 0.3159

# Trichromacy



## Original Color

43.1651, 0.3624, 0.2733



## Protanomaly

42.2672, 0.3020, 0.2725



## Deuteranomaly

42.6054, 0.3276, 0.2901



## Tritanomaly

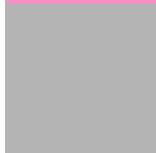
42.9366, 0.3814, 0.3005

# Monochromacy



## Original Color

43.1651, 0.3624, 0.2733



## Achromatopsia

45.6411, 0.3127, 0.3290



## Achromatomaly

43.8791, 0.3294, 0.3055

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1651, 0.3624, 0.2733 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(244, 144, 196)` looks like.

```
.text, #text, p{  
    color:rgb(244, 144, 196)  
}
```

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(244, 144, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 144, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1651, 0.3624, 0.2733 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(244, 144, 196) }
```

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

```
.border{ border-color:rgb(244, 144, 196) }
```

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

Here you see how a box with a 4 pixel rgb(244, 144, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 144, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 144, 196);  
box-shadow:4px 4px 4px 4px rgb(244, 144,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1651, 0.3624, 0.2733 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 144, 196) }
```

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

```
.background{ background-color: rgb(244,  
144, 196) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor