

# Converting Colors

$Y_{xy}(44.9264, 0.3668, 0.2871)$

Have a look what the booklet for  
Yxy(44.9264, 0.3668, 0.2871)  
contains.

<b>Yxy(44.9056, 0.3661, 0.2868)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(44.9056, 0.3661, 0.2868)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F397BE
RGB	243, 151, 190
RGB Percent	95%, 59%, 75%
CMY	0.0470, 0.4078, 0.2550
CMYK	0.00, 0.38, 0.22, 0.05
HSL	335°, 79%, 77%
HSV	335°, 38%, 95%
XYZ	57.3220, 44.9056, 54.3470
YIQ	182.9540, 42.3130, 31.6330

# Conversions

## Conversions Part 2

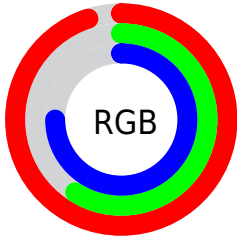
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	243, 151, 190
Decimal	15964094
CIE Lab	72.83, 39.55, -5.49
CIE LCh	73, 39.932, 352.093
Yxy	44.9056, 0.3661, 0.2868
Android (android.graphics.Color)	4294154174 (0xFFFF397BE)
YUV	182.9540, 3.4737, 52.6603
Hunter-Lab	67.0116, 35.4191, -1.1766

# Details

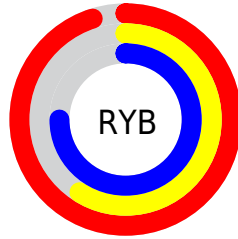
The Yxy color **44.9056, 0.3661, 0.2868** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **75.0456, 0.2793, 0.3762**, and the grayscale version is **47.2915, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.0564, 0.3212, 0.2895**, and **20.8558, 0.3806, 0.2747** is the 20% darker color. If you saturate the color by 10%, you get **37.2920, 0.3874, 0.2760**, and if you desaturate by 10%, it is **54.1942, 0.3481, 0.2983**.

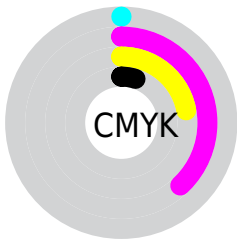
# Distribution



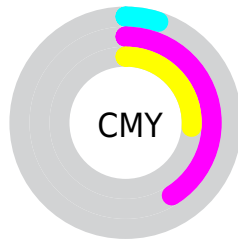
- Red (95%)
- Green (59%)
- Blue (75%)



- Red (95%)
- Yellow (59%)
- Blue (75%)



- Cyan (0%)
- Magenta (38%)
- Yellow (22%)
- Black (5%)



- Cyan (5%)
- Magenta (41%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9056, 0.3661, 0.2868 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 44.9056, 0.3661, 0.2868 by changing the saturation by 10% instead.




 44.9056, 0.3661,  
0.2868

 44.9056, 0.3661,  
0.2868


366.3911, 0.3396,  
0.3075

 31.3831, 0.3727,  
0.2818


 82.5787, 0.3565,  
0.2942

 20.8907, 0.3811,  
0.2754

 107.4981, 0.3529,  
0.2970

 13.0441, 0.3922,  
0.2671


136.9853, 0.3498,  
0.2994

 7.4590, 0.4075,  
0.2558

171.4246, 0.3472,  
0.3015

 3.7507, 0.4301,  
0.2395

211.2004, 0.3449,  
0.3033

 1.5351, 0.4664,  
0.2142

256.6972, 0.3429,

 0.3133, 0.5629,

0.3048

0.1318

308.2993, 0.3411,  
0.3062

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

44.9056, 0.3661,  
0.2868

44.9056, 0.3661,  
0.2868

37.2920, 0.3874,  
0.2760

54.1942, 0.3481,  
0.2983

31.2456, 0.4120,  
0.2667

65.2443, 0.3332,  
0.3097

26.6560, 0.4396,  
0.2602

78.1439, 0.3208,  
0.3208

23.3955, 0.4690,  
0.2577

92.9732, 0.3107,  
0.3312

■ 21.3138, 0.4986,  
0.2605

■ 97.7956, 0.3054,  
0.3290

■ 20.2078, 0.5265,  
0.2685

■ 20.0335, 0.5322,  
0.2706

# Harmonies

## Analogous

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



44.9056, 0.3085, 0.2561



44.9056, 0.3661, 0.2868



44.9056, 0.4107, 0.3276

# Triad

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



44.9056, 0.3661, 0.2868



44.9056, 0.3637, 0.4314



44.9056, 0.2113, 0.2712

# Complementary

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



44.9056, 0.3661, 0.2868



75.0456, 0.2793, 0.3762

# 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.



44.9056, 0.2230, 0.3182



44.9056, 0.3661, 0.2868



44.9056, 0.3087, 0.4203

# Square

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



44.9056, 0.3661, 0.2868



44.9056, 0.4072, 0.4105



44.9056, 0.2575, 0.3758



44.9056, 0.2231, 0.2451



# Rectangle

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



44.9056, 0.3661, 0.2868



44.9056, 0.4244, 0.3571



44.9056, 0.2575, 0.3758



44.9056, 0.2126, 0.2848

# Sweetspot

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



44.9077, 0.3661, 0.2868



82.3929, 0.3245, 0.3173



41.3229, 0.2833, 0.2255



17.2098, 0.3261, 0.3158



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.



44.9077, 0.3661, 0.2868



43.7572, 0.3812, 0.2788



45.4516, 0.4039, 0.3360



16.5990, 0.3227, 0.3190



11.0202, 0.5282, 0.2684



0.9887, 0.4961, 0.2507



# Inverse Universe

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



44.9077, 0.3661, 0.2868



43.7572, 0.3812, 0.2788



73.5456, 0.2589, 0.3217



16.5990, 0.3227, 0.3190



11.0202, 0.5282, 0.2684



0.9887, 0.4961, 0.2507



# Previews

## White Background



This preview shows how the Yxy color 44.9056, 0.3661, 0.2868 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

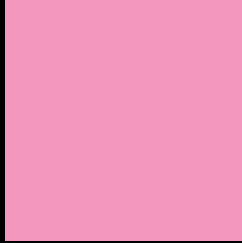
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.9056, 0.3661, 0.2868 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 44.9056, 0.3661, 0.2868**

## Background



This preview shows how black text looks on a background with the Yxy color 44.9056, 0.3661, 0.2868.



This preview shows how white text looks on a background with the Yxy color 44.9056, 0.3661, 0.2868.

# 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

44.9056, 0.3661, 0.2868

### Protanopia

45.3445, 0.2872, 0.2918

### Deuteranopia

45.1547, 0.3196, 0.3138



## Tritanopia

44.9335, 0.3865, 0.3159

# Trichromacy



**Original Color**

44.9056, 0.3661, 0.2868

**Protanomaly**

44.3644, 0.3128, 0.2886

**Deuteranomaly**

44.7092, 0.3360, 0.3037

**Tritanomaly**

45.0836, 0.3796, 0.3061

# Monochromacy



**Original Color**

44.9056, 0.3661, 0.2868

**Achromatopsia**

47.3531, 0.3127, 0.3290

**Achromatomaly**

45.6501, 0.3307, 0.3106

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9056, 0.3661, 0.2868 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(243, 151, 190)` looks like.

```
.text, #text, p{  
    color:rgb(243, 151, 190)  
}
```

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(243, 151, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 151, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9056, 0.3661, 0.2868 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(243, 151, 190) }
```

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

```
.border{ border-color:rgb(243, 151, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 151, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 151, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 151, 190);  
box-shadow:4px 4px 4px 4px rgb(243, 151,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9056, 0.3661, 0.2868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 151, 190) }
```

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

```
.background{ background-color: rgb(243,  
151, 190) }
```

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