

# Converting Colors

$Y_{xy}(52.3057, 0.3655, 0.2942)$

Have a look what the booklet for  
Yxy(52.3057, 0.3655, 0.2942)  
contains.

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# Color

**Yxy(52.2938, 0.3652, 0.2938)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA5C7
RGB	255, 165, 199
RGB Percent	100%, 65%, 78%
CMY	0.0000, 0.3529, 0.2196
CMYK	0.00, 0.35, 0.22, 0.00
HSL	337°, 100%, 82%
HSV	337°, 35%, 100%
XYZ	65.0024, 52.2938, 60.6950
YIQ	195.7860, 42.7260, 29.6540

# Conversions

## Conversions Part 2

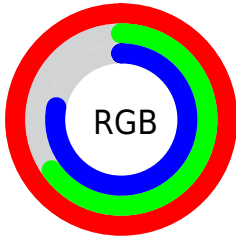
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 165, 199
Decimal	16754119
CIE Lab	77.46, 37.69, -3.47
CIE LCh	77, 37.852, 354.744
Yxy	52.2938, 0.3652, 0.2938
Android (android.graphics.Color)	4294944199 (0xFFFFA5C7)
YUV	195.7860, 1.5845, 51.9307
Hunter-Lab	72.3145, 33.9007, 0.8568

# Details

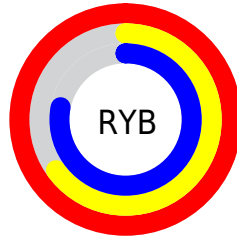
The Yxy color **52.2938, 0.3652, 0.2938** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **84.7402, 0.2792, 0.3677**, and the grayscale version is **55.0397, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1929, 0.3143, 0.2960**, and **25.5030, 0.3797, 0.2854** is the 20% darker color. If you saturate the color by 10%, you get **43.2966, 0.3876, 0.2839**, and if you desaturate by 10%, it is **63.2065, 0.3465, 0.3041**.

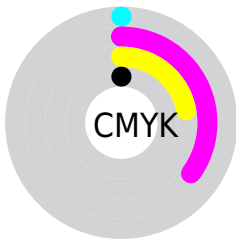
# Distribution



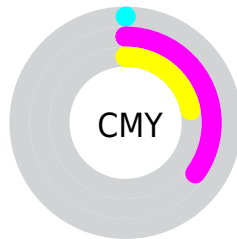
- Red (100%)
- Green (65%)
- Blue (78%)



- Red (100%)
- Yellow (65%)
- Blue (78%)



- Cyan (0%)
- Magenta (35%)
- Yellow (22%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.2938, 0.3652, 0.2938 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 52.2938, 0.3652, 0.2938 by changing the saturation by 10% instead.




 52.2938, 0.3652,  
0.2938

 52.2938, 0.3652,  
0.2938

395.5698, 0.3396,  
0.3108

 37.2393, 0.3714,  
0.2898


 93.5644, 0.3561,  
0.2998

 25.3928, 0.3792,  
0.2847


 120.5493, 0.3526,  
0.3021

 16.3700, 0.3894,  
0.2781


152.2798, 0.3496,  
0.3041

 9.7863, 0.4032,  
0.2693

189.1402, 0.3471,  
0.3058

 5.2575, 0.4230,  
0.2568

231.5151, 0.3449,  
0.3073

 2.3991, 0.4537,  
0.2378

279.7887, 0.3429,

 0.8254, 0.5069,

0.3086

0.2058

334.3454, 0.3412,  
0.3097

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.2938, 0.3652,  
0.2938

52.2938, 0.3652,  
0.2938

43.2966, 0.3876,  
0.2839

63.2065, 0.3465,  
0.3041

36.0957, 0.4137,  
0.2752

76.1301, 0.3311,  
0.3143

30.5698, 0.4434,  
0.2690

91.1625, 0.3184,  
0.3241

26.5794, 0.4755,  
0.2665

99.9996, 0.3127,  
0.3290

■ 23.9621, 0.5080,  
0.2688

■ 22.5176, 0.5385,  
0.2765

■ 22.1096, 0.5518,  
0.2813

# Harmonies

## Analogous

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



52.2938, 0.3138, 0.2645



52.2938, 0.3652, 0.2938



52.2938, 0.4033, 0.3319

# Triad

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



52.2938, 0.3652, 0.2938



52.2938, 0.3552, 0.4215



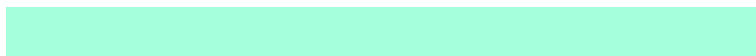
52.2938, 0.2204, 0.2742

# Complementary

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



52.2938, 0.3652, 0.2938



84.7402, 0.2792, 0.3677

# 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.



52.2938, 0.2294, 0.3155



52.2938, 0.3652, 0.2938



52.2938, 0.3052, 0.4080

# Square

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



52.2938, 0.3652, 0.2938



52.2938, 0.3957, 0.4057



52.2938, 0.2595, 0.3666



52.2938, 0.2332, 0.2518



# Rectangle

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



52.2938, 0.3652, 0.2938



52.2938, 0.4140, 0.3588



52.2938, 0.2595, 0.3666



52.2938, 0.2210, 0.2861

# Sweetspot

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



52.2963, 0.3652, 0.2938



82.3170, 0.3253, 0.3186



49.4275, 0.2892, 0.2337



17.1917, 0.3271, 0.3173



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.



52.2963, 0.3652, 0.2938



46.0542, 0.3798, 0.2871



54.8345, 0.3938, 0.3403



18.1006, 0.3235, 0.3201



11.5796, 0.5475, 0.2789



1.1479, 0.5166, 0.2619



# Inverse Universe

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



52.2963, 0.3652, 0.2938



46.0542, 0.3798, 0.2871



80.2224, 0.2612, 0.3172



18.1006, 0.3235, 0.3201



11.5796, 0.5475, 0.2789



1.1479, 0.5166, 0.2619



# Previews

## White Background



This preview shows how the Yxy color 52.2938, 0.3652, 0.2938 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

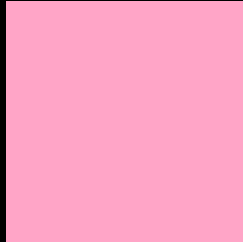
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.2938, 0.3652, 0.2938 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 52.2938, 0.3652, 0.2938**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.2938, 0.3652, 0.2938.



This preview shows how white text looks on a background with the Yxy color 52.2938, 0.3652, 0.2938.

# 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

52.2938, 0.3652, 0.2938

### Protanopia

52.4246, 0.2929, 0.2986

### Deuteranopia

52.6133, 0.3249, 0.3183



## Tritanopia

52.2241, 0.3796, 0.3154

# Trichromacy



## Original Color

52.2938, 0.3652, 0.2938



## Protanomaly

51.6482, 0.3168, 0.2965



## Deuteranomaly

51.9951, 0.3398, 0.3086



## Tritanomaly

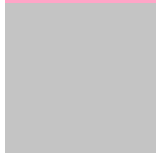
52.3391, 0.3742, 0.3071

# Monochromacy



## Original Color

52.2938, 0.3652, 0.2938



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.4809, 0.3302, 0.3151

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.2938, 0.3652, 0.2938 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, 165, 199)` looks like.

```
.text, #text, p{  
    color:rgb(255, 165, 199)  
}
```

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, 165, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 165, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 52.2938, 0.3652, 0.2938 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, 165, 199) }
```

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

```
.border{ border-color:rgb(255, 165, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 165, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 165, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 165, 199);  
box-shadow:4px 4px 4px 4px rgb(255, 165,  
199) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 52.2938, 0.3652, 0.2938$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 165, 199) }
```

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

```
.background{ background-color: rgb(255,  
165, 199) }
```

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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