

# Converting Colors

$Y_{xy}(92.9908, 0.4685, 0.2993)$

Have a look what the booklet for  
Yxy(92.9908, 0.4685, 0.2993)  
contains.

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# Color

**Yxy(52.1575, 0.3545, 0.2797)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA3D3
RGB	255, 163, 211
RGB Percent	100%, 64%, 83%
CMY	0.0000, 0.3608, 0.1725
CMYK	0.00, 0.36, 0.17, 0.00
HSL	329°, 100%, 82%
HSV	329°, 36%, 100%
XYZ	66.1059, 52.1575, 68.2131
YIQ	195.9800, 39.4240, 34.4320

# Conversions

## Conversions Part 2

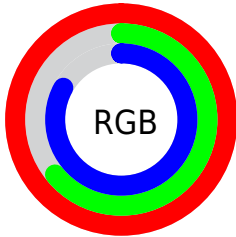
Format	Color
R <sub>Y</sub> B	255, 163, 211
Decimal	16753619
CIE Lab	77.37, 40.52, -10.14
CIE LCh	77, 41.772, 345.949
Yxy	52.1575, 0.3545, 0.2797
Android (android.graphics.Color)	4294943699 (0xFFFFA3D3)
YUV	195.9800, 7.4049, 51.7605
Hunter-Lab	72.2201, 37.0028, -5.4463

# Details

The Yxy color  $52.1575, 0.3545, 0.2797$  is a light color, and the websafe version is hex  $\text{FF99CC}$ . A complement of this color would be  $83.8090, 0.2852, 0.3847$ , and the grayscale version is  $55.1202, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.1430, 0.3144, 0.2940$ , and  $25.4225, 0.3659, 0.2688$  is the 20% darker color. If you saturate the color by 10%, you get  $43.4043, 0.3713, 0.2662$ , and if you desaturate by 10%, it is  $62.7723, 0.3401, 0.2938$ .

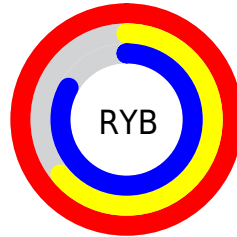
# Distribution



Red (100%)

Green (64%)

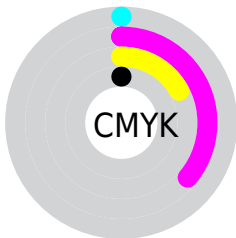
Blue (83%)



Red (100%)

Yellow (64%)

Blue (83%)

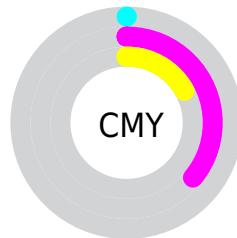


Cyan (0%)

Magenta (36%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (36%)


Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.1575, 0.3545, 0.2797 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 52.1575, 0.3545, 0.2797 by changing the saturation by 10% instead.





 52.1575, 0.3545,  
0.2797


 52.1575, 0.3545,  
0.2797

395.0443, 0.3345,  
0.3029

 37.1306, 0.3592,  
0.2743

 93.3635, 0.3474,  
0.2878

 25.3086, 0.3652,  
0.2676


 120.3114, 0.3447,  
0.2910

 16.3072, 0.3728,  
0.2590


152.0017, 0.3424,  
0.2937

 9.7418, 0.3831,  
0.2478

188.8190, 0.3404,  
0.2960

 5.2281, 0.3975,  
0.2322

231.1474, 0.3386,  
0.2980

 2.3817, 0.4193,  
0.2095

279.3716, 0.3371,

 0.8164, 0.4555,

0.2999

0.1734

333.8757, 0.3357,  
0.3015

0.0000, 0.6449,  
0.0000

0.0000, 0.0000,  
0.0000

52.1575, 0.3545,  
0.2797

52.1575, 0.3545,  
0.2797

43.4043, 0.3713,  
0.2662

62.7723, 0.3401,  
0.2938

36.4166, 0.3906,  
0.2542

75.3662, 0.3280,  
0.3077

31.0659, 0.4122,  
0.2449

90.0288, 0.3180,  
0.3212

27.2128, 0.4353,  
0.2395

100.0000, 0.3127,  
0.3290

■ 24.6941, 0.4590,  
0.2393

■ 23.3073, 0.4819,  
0.2446

■ 22.9555, 0.4907,  
0.2477

# Harmonies

## Analogous

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



52.1575, 0.2971, 0.2519



52.1575, 0.3545, 0.2797



52.1575, 0.4031, 0.3188

# Triad

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



52.1575, 0.3545, 0.2797



52.1575, 0.3737, 0.4289



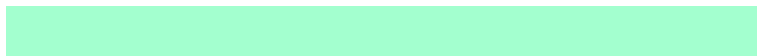
52.1575, 0.2122, 0.2795

# Complementary

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



52.1575, 0.3545, 0.2797



83.8090, 0.2852, 0.3847

# 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.



52.1575, 0.2287, 0.3298



52.1575, 0.3545, 0.2797



52.1575, 0.3202, 0.4250

# Square

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



52.1575, 0.3545, 0.2797



52.1575, 0.4129, 0.4032



52.1575, 0.2672, 0.3865



52.1575, 0.2192, 0.2490



# Rectangle

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



52.1575, 0.3545, 0.2797



52.1575, 0.4213, 0.3480



52.1575, 0.2672, 0.3865



52.1575, 0.2151, 0.2944

# Sweetspot

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



52.1524, 0.3545, 0.2797



82.5569, 0.3227, 0.3147



46.5202, 0.2777, 0.2284



17.2488, 0.3241, 0.3128



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.



52.1524, 0.3545, 0.2797



45.9093, 0.3658, 0.2703



50.2042, 0.3976, 0.3260



18.1454, 0.3212, 0.3167



12.0251, 0.4872, 0.2457



1.1929, 0.4630, 0.2324



# Inverse Universe

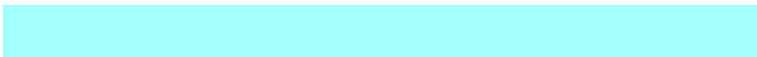
The Inverse Universe completely reimagines the original color for something new.



52.1524, 0.3545, 0.2797



45.9093, 0.3658, 0.2703



86.3290, 0.2633, 0.3322



18.1454, 0.3212, 0.3167



12.0251, 0.4872, 0.2457



1.1929, 0.4630, 0.2324



# Previews

## White Background



This preview shows how the Yxy color 52.1575, 0.3545, 0.2797 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

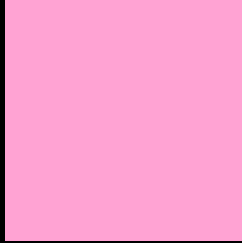
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.1575, 0.3545, 0.2797 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 52.1575, 0.3545, 0.2797**

## Background



This preview shows how black text looks on a background with the Yxy color 52.1575, 0.3545, 0.2797.



This preview shows how white text looks on a background with the Yxy color 52.1575, 0.3545, 0.2797.

# 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

52.1575, 0.3545, 0.2797

### Protanopia

52.6187, 0.2812, 0.2835

### Deuteranopia

52.3193, 0.3106, 0.3040



## Tritanopia

52.0369, 0.3787, 0.3154

# Trichromacy



## Original Color

52.1575, 0.3545, 0.2797



## Protanomaly

51.6181, 0.3051, 0.2808



## Deuteranomaly

51.9245, 0.3263, 0.2950



## Tritanomaly

51.9609, 0.3698, 0.3018

# Monochromacy



## Original Color

52.1575, 0.3545, 0.2797



## Achromatopsia

55.2011, 0.3127, 0.3290



## Achromatomaly

53.2497, 0.3271, 0.3094

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.1575, 0.3545, 0.2797 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, 163, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 163, 211)  
}
```

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, 163, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 163, 211) }
```

## Border

The CSS property to change the border of an element to Yxy 52.1575, 0.3545, 0.2797 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, 163, 211) }
```

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

```
.border{ border-color:rgb(255, 163, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 163, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 163, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 163, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 163,  
211) }
```



# Background

The CSS property to change the background color of an element to  $\text{Yxy } 52.1575, 0.3545, 0.2797$  is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 163, 211) }
```

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

```
.background{ background-color: rgb(255,  
163, 211) }
```

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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