

# Converting Colors

$Y_{xy}(52.2534, 0.3786, 0.3106)$

Have a look what the booklet for  
Yxy(52.2534, 0.3786, 0.3106)  
contains.

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# **Color**

**Yxy(52.3581, 0.3789, 0.3114)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFA7B8
RGB	255, 167, 184
RGB Percent	100%, 65%, 72%
CMY	0.0000, 0.3451, 0.2786
CMYK	0.00, 0.35, 0.28, 0.00
HSL	348°, 100%, 83%
HSV	348°, 35%, 100%
XYZ	63.7074, 52.3581, 52.0723
YIQ	195.2500, 46.9910, 23.9430

# Conversions

## Conversions Part 2

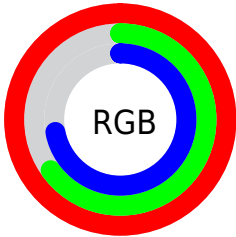
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 167, 184
Decimal	16754616
CIE Lab	77.49, 34.58, 4.79
CIE LCh	77, 34.914, 7.893
Yxy	52.3581, 0.3789, 0.3114
Android (android.graphics.Color)	4294944696 (0xFFFFA7B8)
YUV	195.2500, -5.5462, 52.4008
Hunter-Lab	72.3589, 30.5298, 7.9838

# Details

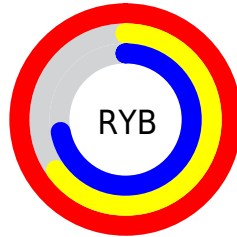
The Yxy color **52.3581, 0.3789, 0.3114** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **85.9127, 0.2718, 0.3478**, and the grayscale version is **54.7427, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.3266, 0.3240, 0.3123**, and **25.4091, 0.3965, 0.3064** is the 20% darker color. If you saturate the color by 10%, you get **43.1182, 0.4085, 0.3064**, and if you desaturate by 10%, it is **63.5697, 0.3545, 0.3167**.

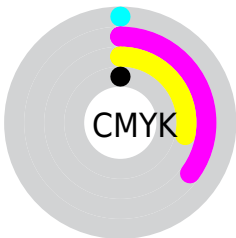
# Distribution



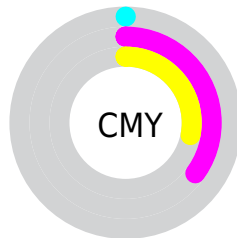
- Red (100%)
- Green (65%)
- Blue (72%)



- Red (100%)
- Yellow (65%)
- Blue (72%)



- Cyan (0%)
- Magenta (35%)
- Yellow (28%)
- Black (0%)




- Cyan (0%)
- Magenta (35%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.3581, 0.3789, 0.3114 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 52.3581, 0.3789, 0.3114 by changing the saturation by 10% instead.





 52.3581, 0.3789,  
0.3114


 52.3581, 0.3789,  
0.3114

395.8175, 0.3463,  
0.3204

 37.2906, 0.3869,  
0.3091


 93.6591, 0.3672,  
0.3147

 25.4326, 0.3970,  
0.3061


 120.6615, 0.3627,  
0.3160

 16.3996, 0.4103,  
0.3021


152.4109, 0.3590,  
0.3170

 9.8074, 0.4285,  
0.2965

189.2917, 0.3557,  
0.3179

 5.2714, 0.4548,  
0.2880

231.6884, 0.3529,  
0.3187

 2.4074, 0.4960,  
0.2740

279.9853, 0.3504,

 0.8297, 0.5770,

0.3193

0.2511

334.5669, 0.3482,  
0.3199

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

52.3581, 0.3789,  
0.3114

52.3581, 0.3789,  
0.3114

43.1182, 0.4085,  
0.3064

63.5697, 0.3545,  
0.3167

35.7297, 0.4436,  
0.3023

76.8518, 0.3348,  
0.3219

30.0687, 0.4834,  
0.2999

92.3039, 0.3188,  
0.3269

25.9933, 0.5256,  
0.3002

100.0000, 0.3127,  
0.3290

■ 23.3391, 0.5659,  
0.3039

■ 21.9051, 0.5992,  
0.3109

■ 21.4827, 0.6134,  
0.3153

# Harmonies

## Analogous

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



52.3581, 0.3351, 0.2797



52.3581, 0.3789, 0.3114



52.3581, 0.4040, 0.3486

# Triad

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



52.3581, 0.3789, 0.3114



52.3581, 0.3324, 0.4120



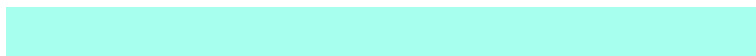
52.3581, 0.2298, 0.2670

# Complementary

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



52.3581, 0.3789, 0.3114



85.9127, 0.2718, 0.3478

# 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.



52.3581, 0.2293, 0.2983



52.3581, 0.3789, 0.3114



52.3581, 0.2863, 0.3871

# Square

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



52.3581, 0.3789, 0.3114



52.3581, 0.3751, 0.4091



52.3581, 0.2491, 0.3430



52.3581, 0.2502, 0.2541



# Rectangle

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



52.3581, 0.3789, 0.3114



52.3581, 0.4058, 0.3730



52.3581, 0.2491, 0.3430



52.3581, 0.2273, 0.2755

# Sweetspot

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



52.3602, 0.3789, 0.3114



83.5399, 0.3272, 0.3242



52.9350, 0.3026, 0.2393



17.4242, 0.3295, 0.3235



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.



52.3602, 0.3789, 0.3114



46.1412, 0.3975, 0.3081



62.3706, 0.3855, 0.3568



18.0442, 0.3264, 0.3244



11.2414, 0.6099, 0.3133



1.1089, 0.5805, 0.2971



# Inverse Universe

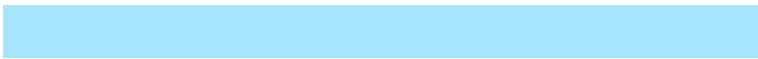
The Inverse Universe completely reimagines the original color for something new.



52.3602, 0.3789, 0.3114



46.1412, 0.3975, 0.3081



71.2558, 0.2598, 0.2991



18.0442, 0.3264, 0.3244



11.2414, 0.6099, 0.3133



1.1089, 0.5805, 0.2971



# Previews

## White Background



This preview shows how the Yxy color 52.3581, 0.3789, 0.3114 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 52.3581, 0.3789, 0.3114 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 52.3581, 0.3789, 0.3114**

## Background



This preview shows how black text looks on a background with the Yxy color 52.3581, 0.3789, 0.3114.



This preview shows how white text looks on a background with the Yxy color 52.3581, 0.3789, 0.3114.

# 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

52.3581, 0.3789, 0.3114

### Protanopia

52.8082, 0.3099, 0.3204

### Deuteranopia

52.4812, 0.3417, 0.3338



## Tritanopia

52.5606, 0.3824, 0.3166

# Trichromacy



## Original Color

52.3581, 0.3789, 0.3114



## Protanomaly

51.9051, 0.3330, 0.3162



## Deuteranomaly

52.0412, 0.3555, 0.3246



## Tritanomaly

52.6015, 0.3814, 0.3155

# Monochromacy



## Original Color

52.3581, 0.3789, 0.3114



## Achromatopsia

54.5724, 0.3127, 0.3290



## Achromatomaly

53.2112, 0.3351, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.3581, 0.3789, 0.3114 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, 167, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 167, 184)  
}
```

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, 167, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 167, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 52.3581, 0.3789, 0.3114 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, 167, 184) }
```

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

```
.border{ border-color:rgb(255, 167, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 167, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 167, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 167, 184);  
box-shadow:4px 4px 4px 4px rgb(255, 167,  
184) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.3581, 0.3789, 0.3114 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 167, 184) }
```

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

```
.background{ background-color: rgb(255,  
167, 184) }
```

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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