

# Converting Colors

$Y_{xy}(54.1016, 0.3788, 0.3273)$

Have a look what the booklet for  
Yxy(54.1016, 0.3788, 0.3273)  
contains.

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# Color

**Yxy(54.1583, 0.3786, 0.3271)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAAFB1
RGB	250, 175, 177
RGB Percent	98%, 69%, 69%
CMY	0.0196, 0.3137, 0.3060
CMYK	0.00, 0.30, 0.29, 0.02
HSL	358°, 88%, 83%
HSV	358°, 30%, 98%
XYZ	62.6852, 54.1583, 48.7276
YIQ	197.6530, 44.0580, 16.5220

# Conversions

## Conversions Part 2

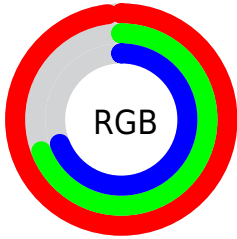
Format	Color
R <sub>Y</sub> B	250, 175, 177
Decimal	16428977
CIE Lab	78.55, 27.66, 10.04
CIE LCh	79, 29.430, 19.955
Yxy	54.1583, 0.3786, 0.3271
Android (android.graphics.Color)	4294619057 (0xFFFAAFB1)
YUV	197.6530, -10.1819, 45.9083
Hunter-Lab	73.5923, 23.2580, 12.2570

# Details

The Yxy color **54.1583, 0.3786, 0.3271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **84.2611, 0.2703, 0.3310**, and the grayscale version is **56.2937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2950, 0.3280, 0.3271**, and **26.6062, 0.3959, 0.3251** is the 20% darker color. If you saturate the color by 10%, you get **44.4272, 0.4119, 0.3265**, and if you desaturate by 10%, it is **65.8690, 0.3516, 0.3278**.

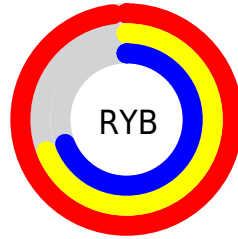
# Distribution



Red (98%)

Green (69%)

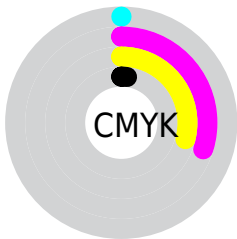
Blue (69%)



Red (98%)

Yellow (69%)

Blue (69%)

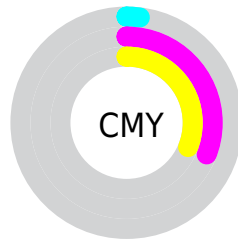


Cyan (0%)

Magenta (30%)

Yellow (29%)

Black (2%)



Cyan (2%)

Magenta (31%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 54.1583, 0.3786, 0.3271 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 54.1583, 0.3786, 0.3271 by changing the saturation by 10% instead.




 54.1583, 0.3786,  
0.3271

 54.1583, 0.3786,  
0.3271


402.7134, 0.3462,  
0.3287

 38.7282, 0.3865,  
0.3265


 96.3066, 0.3670,  
0.3278

 26.5484, 0.3965,  
0.3257


123.7937, 0.3625,  
0.3281

 17.2343, 0.4097,  
0.3244


156.0685, 0.3588,  
0.3282

 10.4017, 0.4276,  
0.3223

193.5156, 0.3556,  
0.3284

 5.6661, 0.4535,  
0.3186

236.5192, 0.3528,  
0.3285

 2.6431, 0.4936,  
0.3115

285.4637, 0.3503,

 0.9484, 0.5862,

0.3286

0.3073

340.7337, 0.3481,  
0.3287

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

54.1583, 0.3786,  
0.3271

54.1583, 0.3786,  
0.3271

44.4272, 0.4119,  
0.3265

65.8690, 0.3516,  
0.3278

36.5593, 0.4519,  
0.3260

79.6520, 0.3300,  
0.3284

30.4379, 0.4975,  
0.3258

95.6035, 0.3127,  
0.3290

25.9299, 0.5454,  
0.3260

99.0624, 0.3096,  
0.3290

■ 22.8832, 0.5892,  
0.3268

■ 21.1168, 0.6215,  
0.3280

■ 20.3372, 0.6382,  
0.3289

■ 20.3367, 0.6382,  
0.3289

# Harmonies

## Analogous

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



54.1583, 0.3473, 0.2974



54.1583, 0.3786, 0.3271



54.1583, 0.3909, 0.3589

# Triad

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



54.1583, 0.3786, 0.3271



54.1583, 0.3139, 0.3917



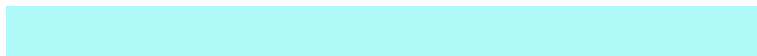
54.1583, 0.2477, 0.2707

# Complementary

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



54.1583, 0.3786, 0.3271



84.2611, 0.2703, 0.3310

# 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.



54.1583, 0.2403, 0.2916



54.1583, 0.3786, 0.3271



54.1583, 0.2769, 0.3635

# Square

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



54.1583, 0.3786, 0.3271



54.1583, 0.3520, 0.3992



54.1583, 0.2505, 0.3255



54.1583, 0.2716, 0.2656



# Rectangle

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



54.1583, 0.3786, 0.3271



54.1583, 0.3865, 0.3779



54.1583, 0.2505, 0.3255



54.1583, 0.2433, 0.2760

# Sweetspot

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



54.1609, 0.3786, 0.3271



84.8645, 0.3281, 0.3285



57.4307, 0.3142, 0.2538



17.6783, 0.3309, 0.3284



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.



54.1609, 0.3786, 0.3271



50.2637, 0.3979, 0.3267



69.5130, 0.3695, 0.3659



17.2325, 0.3290, 0.3284



10.7913, 0.6374, 0.3285



1.0020, 0.6308, 0.3249



# Inverse Universe

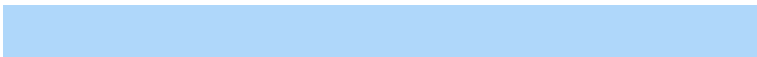
The Inverse Universe completely reimagines the original color for something new.



54.1609, 0.3786, 0.3271



50.2637, 0.3979, 0.3267



64.6191, 0.2649, 0.2889



17.2325, 0.3290, 0.3284



10.7913, 0.6374, 0.3285

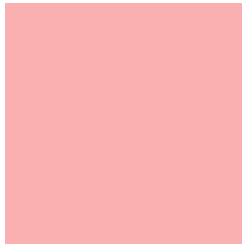


1.0020, 0.6308, 0.3249



# Previews

## White Background



This preview shows how the Yxy color 54.1583, 0.3786, 0.3271 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

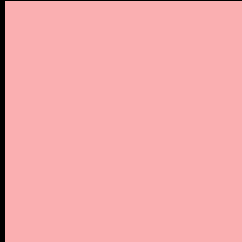
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 54.1583, 0.3786, 0.3271 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 54.1583, 0.3786, 0.3271**

## Background



This preview shows how black text looks on a background with the Yxy color 54.1583, 0.3786, 0.3271.



This preview shows how white text looks on a background with the Yxy color 54.1583, 0.3786, 0.3271.

# 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

54.1583, 0.3786, 0.3271

### Protanopia

54.4508, 0.3229, 0.3376

### Deuteranopia

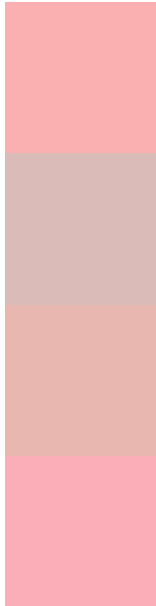
54.4337, 0.3513, 0.3443



## Tritanopia

53.9842, 0.3709, 0.3143

# Trichromacy



**Original Color**

54.1583, 0.3786, 0.3271

**Protanomaly**

53.8650, 0.3422, 0.3338

**Deuteranomaly**

54.1574, 0.3613, 0.3371

**Tritanomaly**

54.2002, 0.3743, 0.3196

# Monochromacy



**Original Color**

54.1583, 0.3786, 0.3271

**Achromatopsia**

56.4712, 0.3127, 0.3290

**Achromatomaly**

55.2963, 0.3352, 0.3291

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 54.1583, 0.3786, 0.3271 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(250, 175, 177)` looks like.

```
.text, #text, p{  
    color:rgb(250, 175, 177)  
}
```

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(250, 175, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 175, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 54.1583, 0.3786, 0.3271 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(250, 175, 177) }
```

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

```
.border{ border-color:rgb(250, 175, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 175, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 175, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 175, 177);  
box-shadow:4px 4px 4px 4px rgb(250, 175,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 54.1583, 0.3786, 0.3271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 175, 177) }
```

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

```
.background{ background-color: rgb(250,  
175, 177) }
```

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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