

# Converting Colors

$Y_{xy}(55.7976, 0.3753, 0.3196)$

Have a look what the booklet for  
Yxy(55.7976, 0.3753, 0.3196)  
contains.

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# Color

**Yxy(55.8135, 0.3754, 0.3197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFB0B9
RGB	255, 176, 185
RGB Percent	100%, 69%, 73%
CMY	0.0000, 0.3099, 0.2744
CMYK	0.00, 0.31, 0.27, 0.00
HSL	353°, 100%, 85%
HSV	353°, 31%, 100%
XYZ	65.5377, 55.8135, 53.2297
YIQ	200.6470, 44.1950, 19.5470

# Conversions

## Conversions Part 2

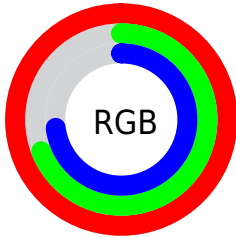
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 176, 185
Decimal	16756921
CIE <sub>Lab</sub>	79.51, 30.06, 7.11
CIE <sub>LCh</sub>	80, 30.887, 13.317
Yxy	55.8135, 0.3754, 0.3197
Android (android.graphics.Color)	4294947001 (0xFFFFB0B9)
YUV	200.6470, -7.7140, 47.6676
Hunter-Lab	74.7084, 25.8486, 10.0518

# Details

The Yxy color **55.8135, 0.3754, 0.3197** is a light color, and the websafe version is hex **FF9999**. A complement of this color would be **87.3990, 0.2724, 0.3387**, and the grayscale version is **58.2000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.3241, 0.3227, 0.3202**, and **27.7022, 0.3924, 0.3172** is the 20% darker color. If you saturate the color by 10%, you get **45.8506, 0.4060, 0.3167**, and if you desaturate by 10%, it is **67.7922, 0.3504, 0.3228**.

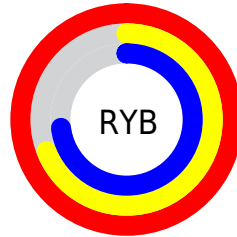
# Distribution



Red (100%)

Green (69%)

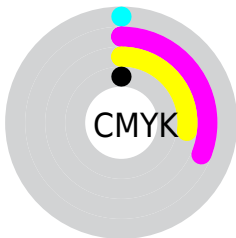
Blue (73%)



Red (100%)

Yellow (69%)

Blue (73%)

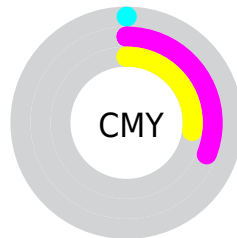


Cyan (0%)

Magenta (31%)

Yellow (27%)

Black (0%)



Cyan (0%)

Magenta (31%)


Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8135, 0.3754, 0.3197 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 55.8135, 0.3754, 0.3197 by changing the saturation by 10% instead.





 55.8135, 0.3754,  
0.3197

 55.8135, 0.3754,  
0.3197

408.9883, 0.3448,  
0.3247

 40.0534, 0.3828,  
0.3184


 98.7318, 0.3644,  
0.3216

 27.5802, 0.3922,  
0.3166


126.6589, 0.3603,  
0.3223

 18.0094, 0.4045,  
0.3141


159.4104, 0.3567,  
0.3229

 10.9568, 0.4211,  
0.3106

197.3707, 0.3537,  
0.3234

 6.0378, 0.4449,  
0.3052

240.9243, 0.3510,  
0.3238

 2.8681, 0.4817,  
0.2959

290.4554, 0.3487,

 1.0632, 0.5493,

0.3241

0.2799

346.3487, 0.3466,  
0.3244

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.8135, 0.3754,  
0.3197

55.8135, 0.3754,  
0.3197

45.8506, 0.4060,  
0.3167

67.7922, 0.3504,  
0.3228

37.8115, 0.4428,  
0.3142

81.9111, 0.3303,  
0.3259

31.5658, 0.4851,  
0.3126

98.2600, 0.3141,  
0.3287

26.9756, 0.5302,  
0.3127

100.0000, 0.3127,  
0.3290

■ 23.8828, 0.5734,  
0.3149

■ 22.0983, 0.6084,  
0.3192

■ 21.3496, 0.6290,  
0.3239

# Harmonies

## Analogous

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



55.8135, 0.3398, 0.2903



55.8135, 0.3754, 0.3197



55.8135, 0.3932, 0.3527

# Triad

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



55.8135, 0.3754, 0.3197



55.8135, 0.3229, 0.3981



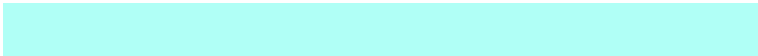
55.8135, 0.2421, 0.2719

# Complementary

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



55.8135, 0.3754, 0.3197



87.3990, 0.2724, 0.3387

# 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.



55.8135, 0.2384, 0.2968



55.8135, 0.3754, 0.3197



55.8135, 0.2833, 0.3728

# Square

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



55.8135, 0.3754, 0.3197



55.8135, 0.3613, 0.4005



55.8135, 0.2529, 0.3341



55.8135, 0.2632, 0.2631



# Rectangle

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



55.8135, 0.3754, 0.3197



55.8135, 0.3920, 0.3734



55.8135, 0.2529, 0.3341



55.8135, 0.2388, 0.2785

# Sweetspot

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



55.8067, 0.3754, 0.3197



84.9808, 0.3268, 0.3265



57.8162, 0.3091, 0.2499



17.7067, 0.3293, 0.3260



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.



55.8067, 0.3754, 0.3197



49.5849, 0.3931, 0.3179



68.6671, 0.3739, 0.3606



18.0209, 0.3276, 0.3263



11.1663, 0.6265, 0.3225



1.0976, 0.6032, 0.3097



# Inverse Universe

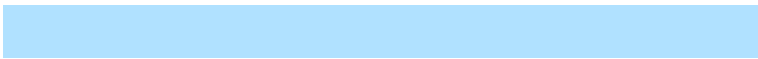
The Inverse Universe completely reimagines the original color for something new.



55.8067, 0.3754, 0.3197



49.5849, 0.3931, 0.3179



70.1411, 0.2641, 0.2950



18.0209, 0.3276, 0.3263



11.1663, 0.6265, 0.3225



1.0976, 0.6032, 0.3097



# Previews

## White Background



This preview shows how the Yxy color 55.8135, 0.3754, 0.3197 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

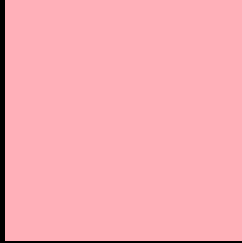
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.8135, 0.3754, 0.3197 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 55.8135, 0.3754, 0.3197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.8135, 0.3754, 0.3197.



This preview shows how white text looks on a background with the Yxy color 55.8135, 0.3754, 0.3197.

# 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

55.8135, 0.3754, 0.3197

### Protanopia

55.8829, 0.3167, 0.3290

### Deuteranopia

55.7339, 0.3459, 0.3383



## Tritanopia

55.9848, 0.3717, 0.3156

# Trichromacy



## Original Color

55.8135, 0.3754, 0.3197



## Protanomaly

55.5731, 0.3371, 0.3256



## Deuteranomaly

55.6092, 0.3565, 0.3314



## Tritanomaly

55.9415, 0.3726, 0.3166

# Monochromacy



## Original Color

55.8135, 0.3754, 0.3197



## Achromatopsia

58.4078, 0.3127, 0.3290



## Achromatomaly

57.0116, 0.3342, 0.3256

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.8135, 0.3754, 0.3197 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, 176, 185)` looks like.

```
.text, #text, p{  
    color:rgb(255, 176, 185)  
}
```

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, 176, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 176, 185) }
```

## Border

The CSS property to change the border of an element to Yxy 55.8135, 0.3754, 0.3197 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, 176, 185) }
```

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

```
.border{ border-color:rgb(255, 176, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 176, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 176, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 176, 185);  
box-shadow:4px 4px 4px 4px rgb(255, 176,  
185) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.8135, 0.3754, 0.3197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 176, 185) }
```

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

```
.background{ background-color: rgb(255,  
176, 185) }
```

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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