

# Converting Colors

Yxy(53.3147, 0.3624, 0.3631)

Have a look what the booklet for  
Yxy(53.3147, 0.3624, 0.3631)  
contains.

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# Color

**Yxy(53.3751, 0.3620, 0.3635)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DABC9F
RGB	218, 188, 159
RGB Percent	85%, 74%, 62%
CMY	0.1451, 0.2627, 0.3764
CMYK	0.00, 0.14, 0.27, 0.15
HSL	29°, 44%, 74%
HSV	29°, 27%, 85%
XYZ	53.1548, 53.3751, 40.3066
YIQ	193.6640, 27.1890, -2.6590

# Conversions

## Conversions Part 2

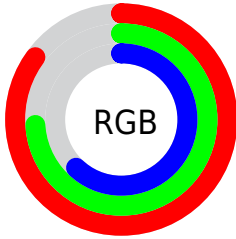
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	218, 216, 159
Decimal	14335135
CIE <sub>Lab</sub>	78.10, 6.36, 18.63
CIE <sub>LCh</sub>	78, 19.685, 71.156
Yxy	53.3751, 0.3620, 0.3635
Android (android.graphics.Color)	4292525215 (0xFFDABC9F)
YUV	193.6640, -17.0894, 21.3427
Hunter-Lab	73.0583, 2.0189, 18.4302

# Details

The Yxy color  $53.3751, 0.3620, 0.3635$  is a light color, and the websafe version is hex `FFCC99`. A complement of this color would be  $48.8311, 0.2698, 0.2918$ , and the grayscale version is  $53.8322, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.8164, 0.3386, 0.3587$ , and  $26.0709, 0.3754, 0.3732$  is the 20% darker color. If you saturate the color by 10%, you get  $48.1305, 0.3848, 0.3768$ , and if you desaturate by 10%, it is  $59.1219, 0.3417, 0.3503$ .

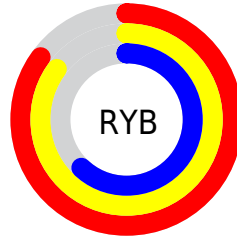
# Distribution



Red (85%)

Green (74%)

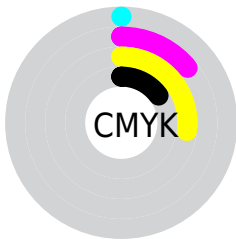
Blue (62%)



Red (85%)

Yellow (85%)

Blue (62%)

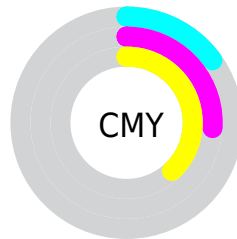


Cyan (0%)

Magenta (14%)

Yellow (27%)

Black (15%)



Cyan (15%)

Magenta (26%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3751, 0.3620, 0.3635 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 53.3751, 0.3620, 0.3635 by changing the saturation by 10% instead.





 53.3751, 0.3620,  
0.3635


 53.3751, 0.3620,  
0.3635


399.7226, 0.3378,  
0.3470

 38.1023, 0.3679,  
0.3674


 95.1561, 0.3533,  
0.3577

 26.0621, 0.3753,  
0.3722


 122.4331, 0.3500,  
0.3555

 16.8701, 0.3850,  
0.3783


154.4802, 0.3473,  
0.3536

 10.1419, 0.3981,  
0.3863

191.6820, 0.3448,  
0.3519

 5.4932, 0.4167,  
0.3972

234.4227, 0.3427,  
0.3504

 2.5394, 0.4450,  
0.4123

283.0868, 0.3409,

 0.8963, 0.5318,

0.3492

0.4682

338.0586, 0.3393,  
0.3480

0.0000, 0.0000,  
0.0000

53.3751, 0.3620,  
0.3635

53.3751, 0.3620,  
0.3635

48.1305, 0.3848,  
0.3768

59.1219, 0.3417,  
0.3503

43.3655, 0.4100,  
0.3896

65.3778, 0.3239,  
0.3375

39.0666, 0.4371,  
0.4009

72.1590, 0.3084,  
0.3256

35.2166, 0.4651,  
0.4095

79.4786, 0.2948,  
0.3144

31.7967, 0.4926,  
0.4141

86.4826, 0.2902,  
0.3171

■ 28.7863, 0.5177,  
0.4137

■ 93.3343, 0.2906,  
0.3284

■ 26.1607, 0.5389,  
0.4079

■ 93.6451, 0.2906,  
0.3289

■ 25.4525, 0.5448,  
0.4056

# Harmonies

## Analogous

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



53.3751, 0.3642, 0.3440



53.3751, 0.3620, 0.3635



53.3751, 0.3463, 0.3748

# Triad

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



53.3751, 0.3620, 0.3635



53.3751, 0.2747, 0.3346



53.3751, 0.3019, 0.2890

# Complementary

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



53.3751, 0.3620, 0.3635



48.8311, 0.2698, 0.2918

# 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.



53.3751, 0.2790, 0.2854



53.3751, 0.3620, 0.3635



53.3751, 0.2639, 0.3105

# Square

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



53.3751, 0.3620, 0.3635



53.3751, 0.2957, 0.3583



53.3751, 0.2654, 0.2928



53.3751, 0.3286, 0.3022



# Rectangle

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



53.3751, 0.3620, 0.3635



53.3751, 0.3305, 0.3753



53.3751, 0.2654, 0.2928



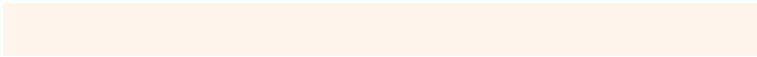
53.3751, 0.2935, 0.2867

# Sweetspot

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



53.3775, 0.3620, 0.3635



92.3146, 0.3256, 0.3388



43.4009, 0.3414, 0.2931



19.4615, 0.3282, 0.3407



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.



53.3775, 0.3620, 0.3635



72.1377, 0.3736, 0.3705



67.0419, 0.3537, 0.3953



14.1031, 0.3279, 0.3405



15.4635, 0.5425, 0.4074



1.1740, 0.5171, 0.4276

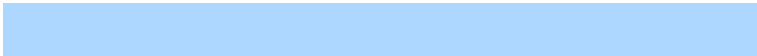


# Inverse Universe

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



48.8311, 0.2698, 0.2918



64.6952, 0.2613, 0.2834



37.5740, 0.2660, 0.2529



13.7062, 0.2982, 0.3172



10.0397, 0.1782, 0.1614



0.8228, 0.1863, 0.1906



# Previews

## White Background



This preview shows how the Yxy color 53.3751, 0.3620, 0.3635 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

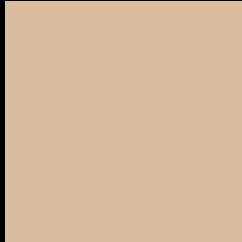
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 53.3751, 0.3620, 0.3635 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

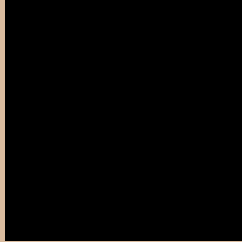
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 53.3751, 0.3620, 0.3635**

## **Background**



This preview shows how black text looks on a background with the Yxy color 53.3751, 0.3620, 0.3635.



This preview shows how white text looks on a background with the Yxy color 53.3751, 0.3620, 0.3635.

# 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

53.3751, 0.3620, 0.3635

### Protanopia

53.5505, 0.3468, 0.3684

### Deuteranopia

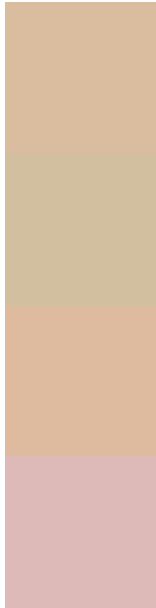
53.4683, 0.3680, 0.3606



## Tritanopia

53.4278, 0.3347, 0.3130

# Trichromacy



**Original Color**

53.3751, 0.3620, 0.3635

**Protanomaly**

53.3550, 0.3524, 0.3668

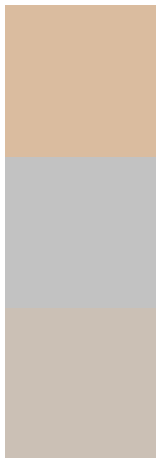
**Deuteranomaly**

53.5734, 0.3659, 0.3619

**Tritanomaly**

53.4890, 0.3452, 0.3314

# Monochromacy



**Original Color**

53.3751, 0.3620, 0.3635

**Achromatopsia**

53.9479, 0.3127, 0.3290

**Achromatomaly**

53.7320, 0.3303, 0.3424

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.3751, 0.3620, 0.3635 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(218, 188, 159)` looks like.

```
.text, #text, p{  
    color:rgb(218, 188, 159)  
}
```

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(218, 188, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 188, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 53.3751, 0.3620, 0.3635 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(218, 188, 159) }
```

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

```
.border{ border-color:rgb(218, 188, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 188, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 188, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 188, 159);  
box-shadow:4px 4px 4px 4px rgb(218, 188,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.3751, 0.3620, 0.3635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 188, 159) }
```

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

```
.background{ background-color: rgb(218,  
188, 159) }
```

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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