

# Converting Colors

Yxy(55.4836, 0.3804, 0.3941)

Have a look what the booklet for  
Yxy(55.4836, 0.3804, 0.3941)  
contains.

<b>Yxy(55.3471, 0.3800, 0.3933)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(55.3471, 0.3800, 0.3933)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DDC18A
RGB	221, 193, 138
RGB Percent	87%, 76%, 54%
CMY	0.1333, 0.2431, 0.4589
CMYK	0.00, 0.13, 0.38, 0.13
HSL	40°, 55%, 70%
HSV	40°, 38%, 87%
XYZ	53.4755, 55.3471, 31.9023
YIQ	195.1020, 34.3430, -11.1690

# Conversions

## Conversions Part 2

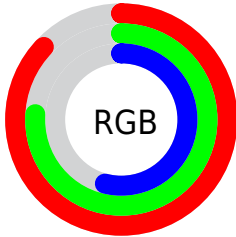
Format	Color
<b>RYB</b>	180, 221, 138
Decimal	14533002
CIELab	79.24, 2.25, 31.37
CIELCh	79, 31.452, 85.898
Yxy	55.3471, 0.3800, 0.3933
Android (android.graphics.Color)	4292723082 (0xFFDDC18A)
YUV	195.1020, -28.1513, 22.7125
Hunter-Lab	74.3956, -1.8868, 26.6522

# Details

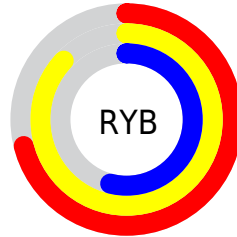
The Yxy color **55.3471, 0.3800, 0.3933** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **37.8869, 0.2497, 0.2546**, and the grayscale version is **54.7935, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.8171, 0.3515, 0.3855**, and **27.4436, 0.3974, 0.4098** is the 20% darker color. If you saturate the color by 10%, you get **51.5608, 0.4010, 0.4100**, and if you desaturate by 10%, it is **59.4348, 0.3600, 0.3758**.

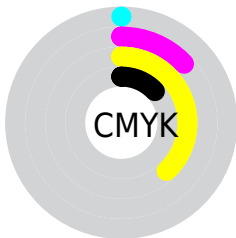
# Distribution



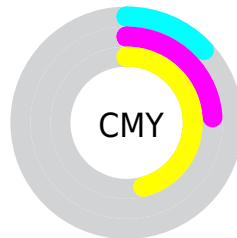
- Red (87%)
- Green (76%)
- Blue (54%)



- Red (71%)
- Yellow (87%)
- Blue (54%)



- Cyan (0%)
- Magenta (13%)
- Yellow (38%)
- Black (13%)




- Cyan (13%)
- Magenta (24%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3471, 0.3800, 0.3933 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 55.3471, 0.3800, 0.3933 by changing the saturation by 10% instead.





 55.3471, 0.3800,  
0.3933

 55.3471, 0.3800,  
0.3933


407.2263, 0.3477,  
0.3627

 39.6797, 0.3875,  
0.4003


 98.0493, 0.3686,  
0.3826

 27.2889, 0.3969,  
0.4090


 125.8529, 0.3642,  
0.3785

 17.7903, 0.4087,  
0.4199


 158.4707, 0.3605,  
0.3749

 10.7995, 0.4240,  
0.4336

196.2871, 0.3572,  
0.3718

 5.9322, 0.4439,  
0.4512

239.6865, 0.3544,  
0.3691

 2.8039, 0.4873,  
0.4906

289.0532, 0.3519,

 1.0302, 0.5027,

0.3667

0.4973

344.7717, 0.3497,  
0.3646

0.0000, 0.0000,  
0.0000

55.3471, 0.3800,  
0.3933

55.3471, 0.3800,  
0.3933

51.5608, 0.4010,  
0.4100

59.4348, 0.3600,  
0.3758

48.0578, 0.4223,  
0.4248

63.8260, 0.3414,  
0.3583

44.8295, 0.4431,  
0.4368


68.5321, 0.3245,  
0.3413

41.8633, 0.4623,  
0.4447

73.5618, 0.3091,  
0.3251

39.1449, 0.4789,  
0.4477

78.9232, 0.2954,  
0.3100


 36.6556, 0.4923,  
0.4457

 83.5793, 0.2918,  
0.3112

 36.0774, 0.4954,  
0.4449

 88.0024, 0.2920,  
0.3189

 92.6072, 0.2922,  
0.3265

 94.1124, 0.2923,  
0.3289

# Harmonies

## Analogous

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



55.3471, 0.3954, 0.3667



55.3471, 0.3800, 0.3933



55.3471, 0.3467, 0.4039

# Triad

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



55.3471, 0.3800, 0.3933



55.3471, 0.2433, 0.3172



55.3471, 0.3156, 0.2761

# Complementary

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



55.3471, 0.3800, 0.3933



37.8869, 0.2497, 0.2546

# 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.



55.3471, 0.2758, 0.2629



55.3471, 0.3800, 0.3933



55.3471, 0.2363, 0.2836

# Square

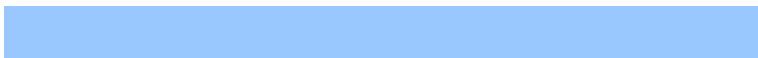
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



55.3471, 0.3800, 0.3933



55.3471, 0.2681, 0.3580



55.3471, 0.2477, 0.2649



55.3471, 0.3571, 0.3012



# Rectangle

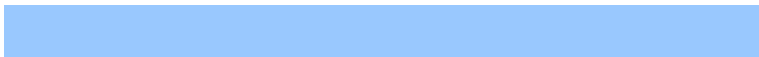
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3471, 0.3800, 0.3933



55.3471, 0.3194, 0.3983



55.3471, 0.2477, 0.2649



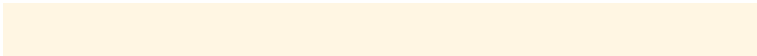
55.3471, 0.3016, 0.2702

# Sweetspot

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



55.3497, 0.3800, 0.3933



92.4360, 0.3303, 0.3472



36.3360, 0.3719, 0.2945



19.5937, 0.3326, 0.3496



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.



55.3497, 0.3800, 0.3933



72.4288, 0.3963, 0.4064



67.0377, 0.3591, 0.4253



14.4857, 0.3275, 0.3445



21.1747, 0.4939, 0.4461



1.5286, 0.4787, 0.4581



# Inverse Universe

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



37.8869, 0.2497, 0.2546



45.0355, 0.2357, 0.2358



29.9182, 0.2539, 0.2183



13.3312, 0.2981, 0.3131



6.1067, 0.1638, 0.1097

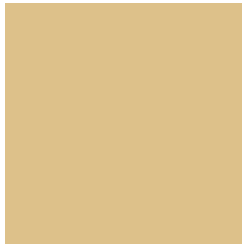


0.5518, 0.1730, 0.1427



# Previews

## White Background



This preview shows how the Yxy color 55.3471, 0.3800, 0.3933 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

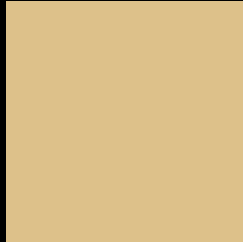
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3471, 0.3800, 0.3933 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

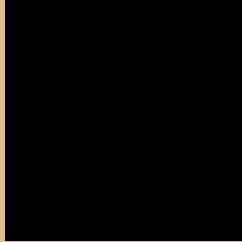
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.3471, 0.3800, 0.3933**

## Background



This preview shows how black text looks on a background with the Yxy color 55.3471, 0.3800, 0.3933.



This preview shows how white text looks on a background with the Yxy color 55.3471, 0.3800, 0.3933.

# 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

55.3471, 0.3800, 0.3933

### Protanopia

55.3410, 0.3701, 0.3973

### Deuteranopia

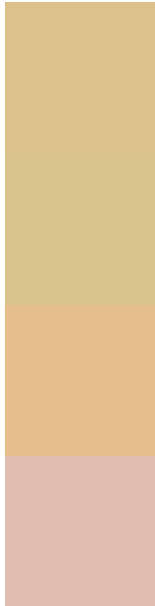
55.3229, 0.3928, 0.3841



## Tritanopia

55.3154, 0.3379, 0.3133

# Trichromacy



## Original Color

55.3471, 0.3800, 0.3933

## Protanomaly

55.3414, 0.3731, 0.3956

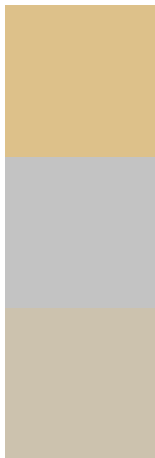
## Deuteranomaly

55.3490, 0.3875, 0.3873

## Tritanomaly

55.1483, 0.3531, 0.3418

# Monochromacy



## Original Color

55.3471, 0.3800, 0.3933

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.4769, 0.3363, 0.3534

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3471, 0.3800, 0.3933 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(221, 193, 138)` looks like.

```
.text, #text, p{  
    color:rgb(221, 193, 138)  
}
```

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(221, 193, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 193, 138) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3471, 0.3800, 0.3933 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(221, 193, 138) }
```

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

```
.border{ border-color:rgb(221, 193, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 193, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 193, 138); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 193, 138); box-shadow:4px 4px 4px 4px rgb(221, 193, 138) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3471, 0.3800, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 193, 138) }
```

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

```
.background{ background-color: rgb(221,  
193, 138) }
```

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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