

# Converting Colors

Yxy(52.9143, 0.3905, 0.3979)

Have a look what the booklet for  
Yxy(52.9143, 0.3905, 0.3979)  
contains.

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# Color

**Yxy(53.0810, 0.3903, 0.3978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEBC81
RGB	222, 188, 129
RGB Percent	87%, 74%, 51%
CMY	0.1292, 0.2628, 0.4940
CMYK	0.00, 0.15, 0.42, 0.13
HSL	38°, 59%, 69%
HSV	38°, 42%, 87%
XYZ	52.0802, 53.0810, 28.2752
YIQ	191.4400, 39.2030, -11.1410

# Conversions

## Conversions Part 2

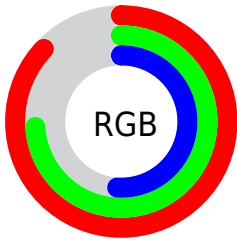
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	183, 222, 129
Decimal	14597249
CIE Lab	77.92, 4.31, 34.34
CIE LCh	78, 34.607, 82.847
Yxy	53.0810, 0.3903, 0.3978
Android (android.graphics.Color)	4292787329 (0xFFDEBC81)
YUV	191.4400, -30.7829, 26.8011
Hunter-Lab	72.8567, 0.0981, 27.9897

# Details

The Yxy color **53.0810, 0.3903, 0.3978** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **36.1641, 0.2425, 0.2481**, and the grayscale version is **52.5386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3803, 0.3583, 0.3899**, and **25.8918, 0.4093, 0.4141** is the 20% darker color. If you saturate the color by 10%, you get **49.1803, 0.4123, 0.4132**, and if you desaturate by 10%, it is **57.3106, 0.3692, 0.3812**.

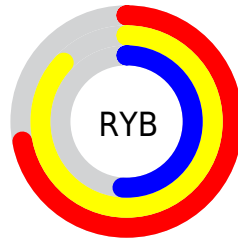
# Distribution



Red (87%)

Green (74%)

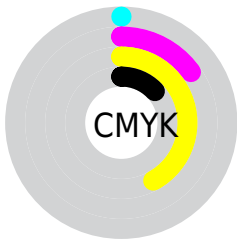
Blue (51%)



Red (72%)

Yellow (87%)

Blue (51%)

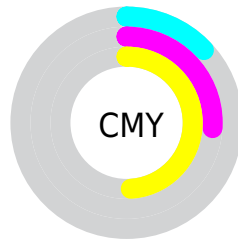


Cyan (0%)

Magenta (15%)

Yellow (42%)

Black (13%)



Cyan (13%)

Magenta (26%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 53.0810, 0.3903, 0.3978 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 53.0810, 0.3903, 0.3978 by changing the saturation by 10% instead.





 53.0810, 0.3903,  
0.3978


 53.0810, 0.3903,  
0.3978


398.5958, 0.3528,  
0.3652

 37.8674, 0.3991,  
0.4052


 94.7235, 0.3771,  
0.3865

 25.8798, 0.4099,  
0.4142


 121.9213, 0.3720,  
0.3821

 16.7338, 0.4235,  
0.4253


 153.8826, 0.3676,  
0.3783

 10.0448, 0.4410,  
0.4391

190.9918, 0.3639,  
0.3750

 5.4287, 0.4633,  
0.4557

233.6334, 0.3606,  
0.3721

 2.5009, 0.5091,  
0.4909

282.1916, 0.3577,

 0.8771, 0.5180,

0.3695

0.4820

337.0510, 0.3551,  
0.3673

0.0000, 0.0000,  
0.0000

53.0810, 0.3903,  
0.3978

53.0810, 0.3903,  
0.3978

49.1803, 0.4123,  
0.4132

57.3106, 0.3692,  
0.3812

45.5894, 0.4346,  
0.4264

61.8723, 0.3496,  
0.3644

42.2982, 0.4560,  
0.4362


66.7788, 0.3317,  
0.3478

39.2925, 0.4756,  
0.4415

72.0396, 0.3156,  
0.3319


36.5559, 0.4921,  
0.4416

77.6637, 0.3011,  
0.3170

 34.5155, 0.5034,  
0.4385

 83.1844, 0.2924,  
0.3103

 87.9920, 0.2926,  
0.3187

 93.0156, 0.2929,  
0.3269

 94.2762, 0.2929,  
0.3289

# Harmonies

## Analogous

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



53.0810, 0.4053, 0.3667



53.0810, 0.3903, 0.3978



53.0810, 0.3545, 0.4127

# Triad

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



53.0810, 0.3903, 0.3978



53.0810, 0.2377, 0.3199



53.0810, 0.3109, 0.2684

# Complementary

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



53.0810, 0.3903, 0.3978



36.1641, 0.2425, 0.2481

# 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.



53.0810, 0.2677, 0.2554



53.0810, 0.3903, 0.3978



53.0810, 0.2280, 0.2812

# Square

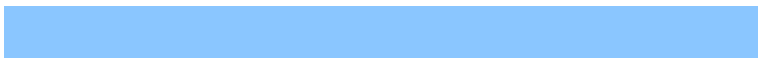
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



53.0810, 0.3903, 0.3978



53.0810, 0.2666, 0.3659



53.0810, 0.2385, 0.2591



53.0810, 0.3578, 0.2949



# Rectangle

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



53.0810, 0.3903, 0.3978



53.0810, 0.3245, 0.4086



53.0810, 0.2385, 0.2591



53.0810, 0.2955, 0.2624

# Sweetspot

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



53.0835, 0.3903, 0.3978



90.5463, 0.3338, 0.3498



33.8903, 0.3800, 0.2887



19.0549, 0.3377, 0.3534



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.



53.0835, 0.3903, 0.3978



68.0768, 0.4090, 0.4110



67.4988, 0.3652, 0.4358



15.1418, 0.3276, 0.3438



20.7117, 0.5018, 0.4397



1.6045, 0.4858, 0.4525



# Inverse Universe

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



36.1641, 0.2425, 0.2481



42.1095, 0.2277, 0.2280



26.6811, 0.2443, 0.2031



14.0608, 0.2981, 0.3137



6.8457, 0.1659, 0.1172

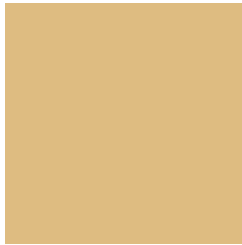


0.6412, 0.1745, 0.1482



# Previews

## White Background



This preview shows how the Yxy color 53.0810, 0.3903, 0.3978 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 53.0810, 0.3903, 0.3978 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 53.0810, 0.3903, 0.3978**

## Background



This preview shows how black text looks on a background with the Yxy color 53.0810, 0.3903, 0.3978.



This preview shows how white text looks on a background with the Yxy color 53.0810, 0.3903, 0.3978.

# 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

53.0810, 0.3903, 0.3978

### Protanopia

53.3339, 0.3748, 0.4042

### Deuteranopia

52.8816, 0.3995, 0.3903



## Tritanopia

53.1956, 0.3438, 0.3133

# Trichromacy



## Original Color

53.0810, 0.3903, 0.3978

## Protanomaly

53.1695, 0.3809, 0.4019

## Deuteranomaly

52.8036, 0.3963, 0.3921

## Tritanomaly

52.9380, 0.3612, 0.3442

# Monochromacy



## Original Color

53.0810, 0.3903, 0.3978

## Achromatopsia

52.0996, 0.3127, 0.3290

## Achromatomaly

52.2106, 0.3401, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 53.0810, 0.3903, 0.3978 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(222, 188, 129)` looks like.

```
.text, #text, p{  
  color:rgb(222, 188, 129)  
}
```

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(222, 188, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 188, 129) }
```

## Border

The CSS property to change the border of an element to Yxy 53.0810, 0.3903, 0.3978 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(222, 188, 129) }
```

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

```
.border{ border-color:rgb(222, 188, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 188, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 188, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 188, 129);  
box-shadow:4px 4px 4px 4px rgb(222, 188,  
129) }
```



# Background

The CSS property to change the background color of an element to Yxy 53.0810, 0.3903, 0.3978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 188, 129) }
```

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

```
.background{ background-color: rgb(222,  
188, 129) }
```

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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