

# Converting Colors

$Y_{xy}(45.7576, 0.3582, 0.3744)$

Have a look what the booklet for  
Yxy(45.7576, 0.3582, 0.3744)  
contains.

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# Color

**Yxy(45.5597, 0.3587, 0.3744)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C4B28F
RGB	196, 178, 143
RGB Percent	77%, 70%, 56%
CMY	0.2312, 0.3020, 0.4392
CMYK	0.00, 0.09, 0.27, 0.23
HSL	40°, 31%, 66%
HSV	40°, 27%, 77%
XYZ	43.6492, 45.5597, 32.4783
YIQ	179.3920, 21.9630, -7.0690

# Conversions

## Conversions Part 2

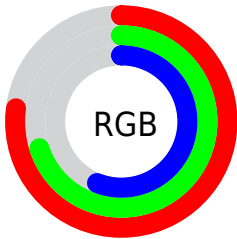
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">170, 196, 143</a>
Decimal	<a href="#">12890767</a>
CIELab	<a href="#">73.26, 1.02, 20.26</a>
CIELCh	<a href="#">73, 20.289, 87.112</a>
Yxy	<a href="#">45.5597, 0.3587, 0.3744</a>
Android (android.graphics.Color)	<a href="#">4291080847 (0xFFC4B28F)</a>
YUV	<a href="#">179.3920, -17.9413, 14.5652</a>
Hunter-Lab	<a href="#">67.4979, -2.6899, 18.7197</a>

# Details

The Yxy color  $45.5597, 0.3587, 0.3744$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $35.3285, 0.2688, 0.2790$ , and the grayscale version is  $45.3909, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $83.7595, 0.3501, 0.3665$ , and  $21.1907, 0.3730, 0.3870$  is the 20% darker color. If you saturate the color by 10%, you get  $42.4296, 0.3785, 0.3917$ , and if you desaturate by 10%, it is  $48.9267, 0.3403, 0.3571$ .

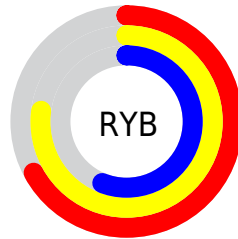
# Distribution



Red (77%)

Green (70%)

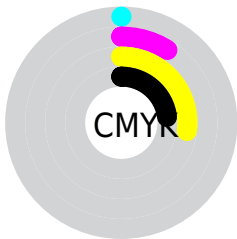
Blue (56%)



Red (67%)

Yellow (77%)

Blue (56%)

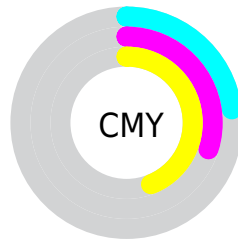


Cyan (0%)

Magenta (9%)

Yellow (27%)

Black (23%)



Cyan (23%)

Magenta (30%)


Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 45.5597, 0.3587, 0.3744 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 45.5597, 0.3587, 0.3744 by changing the saturation by 10% instead.





 45.5597, 0.3587,  
0.3744

 45.5597, 0.3587,  
0.3744


369.0357, 0.3357,  
0.3518

 31.8985, 0.3644,  
0.3800


 83.5597, 0.3504,  
0.3662

 21.2840, 0.3717,  
0.3871


 108.6672, 0.3472,  
0.3631

 13.3317, 0.3813,  
0.3964


138.3590, 0.3446,  
0.3605

 7.6574, 0.3944,  
0.4090

173.0195, 0.3423,  
0.3583

 3.8765, 0.4132,  
0.4269

213.0330, 0.3403,  
0.3563

 1.6047, 0.4666,  
0.4792

258.7839, 0.3386,

 0.3608, 0.5049,

0.3546

0.4951

310.6567, 0.3370,  
0.3531

0.0000, 0.0000,  
0.0000

45.5597, 0.3587,  
0.3744

45.5597, 0.3587,  
0.3744

42.4296, 0.3785,  
0.3917

48.9267, 0.3403,  
0.3571

39.5230, 0.3993,  
0.4083

52.5313, 0.3236,  
0.3403

36.8343, 0.4205,  
0.4232

56.3818, 0.3084,  
0.3244

34.3549, 0.4414,  
0.4353

60.4844, 0.2949,  
0.3095

32.0758, 0.4608,  
0.4436

64.8451, 0.2828,  
0.2956

■ 29.9861, 0.4777,  
0.4471

■ 69.1022, 0.2752,  
0.2886

■ 28.0723, 0.4916,  
0.4457

■ 72.6301, 0.2758,  
0.2960

■ 27.5353, 0.4955,  
0.4448

■ 76.2987, 0.2764,  
0.3034

■ 80.1095, 0.2769,  
0.3107

# Harmonies

## Analogous

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



45.5597, 0.3694, 0.3571



45.5597, 0.3587, 0.3744



45.5597, 0.3357, 0.3799

# Triad

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



45.5597, 0.3587, 0.3744



45.5597, 0.2637, 0.3205



45.5597, 0.3163, 0.2922

# Complementary

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



45.5597, 0.3587, 0.3744



35.3285, 0.2688, 0.2790

# 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.



45.5597, 0.2884, 0.2825



45.5597, 0.3587, 0.3744



45.5597, 0.2590, 0.2973

# Square

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



45.5597, 0.3587, 0.3744



45.5597, 0.2810, 0.3478



45.5597, 0.2678, 0.2840



45.5597, 0.3444, 0.3106



# Rectangle

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



45.5597, 0.3587, 0.3744



45.5597, 0.3168, 0.3751



45.5597, 0.2678, 0.2840



45.5597, 0.3066, 0.2879

# Sweetspot

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



45.5618, 0.3587, 0.3744



94.4078, 0.3253, 0.3421



33.9773, 0.3504, 0.3046



19.9891, 0.3278, 0.3446



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.



45.5618, 0.3587, 0.3744



79.3658, 0.3693, 0.3839



52.1787, 0.3462, 0.3974



11.1627, 0.3273, 0.3442



17.8510, 0.4941, 0.4459



0.8949, 0.4735, 0.4623



# Inverse Universe

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



35.3285, 0.2688, 0.2790



57.9947, 0.2593, 0.2671



30.2059, 0.2732, 0.2536



10.2955, 0.2984, 0.3134



5.2591, 0.1643, 0.1115



0.3563, 0.1773, 0.1581



# Previews

## White Background



This preview shows how the Yxy color 45.5597, 0.3587, 0.3744 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

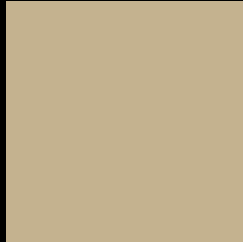
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 45.5597, 0.3587, 0.3744 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

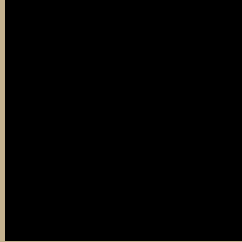
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

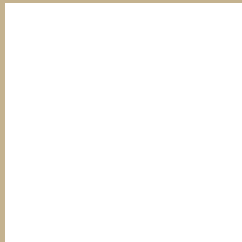
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 45.5597, 0.3587, 0.3744**

## **Background**



This preview shows how black text looks on a background with the Yxy color 45.5597, 0.3587, 0.3744.



This preview shows how white text looks on a background with the Yxy color 45.5597, 0.3587, 0.3744.

# 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

45.5597, 0.3587, 0.3744

### Protanopia

45.7325, 0.3525, 0.3763

### Deuteranopia

45.6024, 0.3728, 0.3651



## Tritanopia

45.4677, 0.3270, 0.3117

# Trichromacy



## Original Color

45.5597, 0.3587, 0.3744

## Protanomaly

45.5913, 0.3547, 0.3748

## Deuteranomaly

45.6527, 0.3673, 0.3682

## Tritanomaly

45.3165, 0.3388, 0.3342

# Monochromacy



## Original Color

45.5597, 0.3587, 0.3744

## Achromatopsia

45.0786, 0.3127, 0.3290

## Achromatomaly

45.3077, 0.3286, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 45.5597, 0.3587, 0.3744 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(196, 178, 143)` looks like.

```
.text, #text, p{  
    color:rgb(196, 178, 143)  
}
```

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(196, 178, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 178, 143) }
```

## Border

The CSS property to change the border of an element to Yxy 45.5597, 0.3587, 0.3744 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(196, 178, 143) }
```

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

```
.border{ border-color:rgb(196, 178, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 178, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 178, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 178, 143);  
box-shadow:4px 4px 4px 4px rgb(196, 178,  
143) }
```



# Background

The CSS property to change the background color of an element to Yxy 45.5597, 0.3587, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 178, 143) }
```

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

```
.background{ background-color: rgb(196,  
178, 143) }
```

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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