

# Converting Colors

$Y_{xy}(47.2765, 0.3577, 0.3745)$

Have a look what the booklet for  
Yxy(47.2765, 0.3577, 0.3745)  
contains.

<b>Yxy(47.2652, 0.3579, 0.3737)</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(47.2652, 0.3579, 0.3737)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C7B592
RGB	199, 181, 146
RGB Percent	78%, 71%, 57%
CMY	0.2196, 0.2902, 0.4273
CMYK	0.00, 0.09, 0.27, 0.22
HSL	40°, 32%, 68%
HSV	40°, 27%, 78%
XYZ	45.2668, 47.2652, 33.9470
YIQ	182.3920, 21.9630, -7.0690

# Conversions

## Conversions Part 2

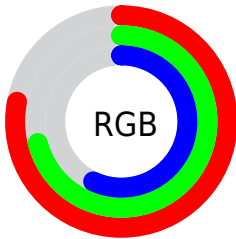
<b>Format</b>	<b>Color</b>
<b>RYB</b>	173, 199, 146
Decimal	13088146
CIELab	74.36, 0.99, 20.18
CIELCh	74, 20.200, 87.197
Yxy	47.2652, 0.3579, 0.3737
Android (android.graphics.Color)	4291278226 (0xFFC7B592)
YUV	182.3920, -17.9413, 14.5652
Hunter-Lab	68.7497, -2.7823, 18.8488

# Details

The Yxy color  $47.2652, 0.3579, 0.3737$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $36.8002, 0.2696, 0.2798$ , and the grayscale version is  $47.0970, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $85.9985, 0.3489, 0.3662$ , and  $22.1939, 0.3704, 0.3862$  is the 20% darker color. If you saturate the color by 10%, you get  $44.0175, 0.3776, 0.3910$ , and if you desaturate by 10%, it is  $50.7584, 0.3396, 0.3564$ .

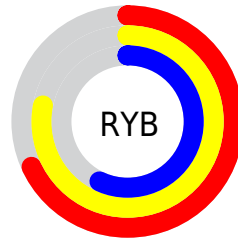
# Distribution



Red (78%)

Green (71%)

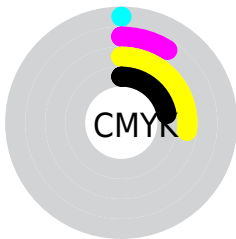
Blue (57%)



Red (68%)

Yellow (78%)

Blue (57%)

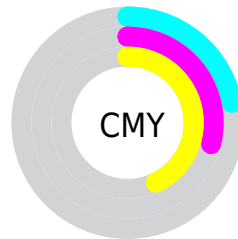


Cyan (0%)

Magenta (9%)

Yellow (27%)

Black (22%)



Cyan (22%)

Magenta (29%)


Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.2652, 0.3579, 0.3737 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 47.2652, 0.3579, 0.3737 by changing the saturation by 10% instead.





 47.2652, 0.3579,  
0.3737

 47.2652, 0.3579,  
0.3737


375.8721, 0.3354,  
0.3516

 33.2454, 0.3634,  
0.3791


 86.1093, 0.3498,  
0.3657

 22.3145, 0.3705,  
0.3860


 111.7024, 0.3467,  
0.3627

 14.0881, 0.3797,  
0.3950


141.9221, 0.3441,  
0.3601

 8.1820, 0.3923,  
0.4072

177.1526, 0.3419,  
0.3579

 4.2116, 0.4102,  
0.4243

217.7785, 0.3400,  
0.3560

 1.7926, 0.4520,  
0.4649

264.1841, 0.3383,

 0.4826, 0.5001,

0.3544

0.4999

316.7539, 0.3368,  
0.3529

0.0000, 0.0000,  
0.0000

47.2652, 0.3579,  
0.3737

47.2652, 0.3579,  
0.3737

44.0175, 0.3776,  
0.3910

50.7584, 0.3396,  
0.3564

41.0015, 0.3984,  
0.4077

54.4978, 0.3229,  
0.3396

38.2112, 0.4197,  
0.4227

58.4920, 0.3078,  
0.3237

35.6381, 0.4406,  
0.4350

62.7475, 0.2943,  
0.3088

33.2725, 0.4600,  
0.4434

67.2703, 0.2823,  
0.2950

■ 31.1035, 0.4771,  
0.4471

■ 71.3755, 0.2773,  
0.2928

■ 29.1174, 0.4910,  
0.4458

■ 75.0302, 0.2779,  
0.3002

■ 28.4781, 0.4954,  
0.4448

■ 78.8304, 0.2784,  
0.3077

■ 82.7777, 0.2789,  
0.3150

# Harmonies

## Analogous

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



47.2652, 0.3685, 0.3568



47.2652, 0.3579, 0.3737



47.2652, 0.3352, 0.3790

# Triad

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



47.2652, 0.3579, 0.3737



47.2652, 0.2645, 0.3206



47.2652, 0.3163, 0.2928

# Complementary

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



47.2652, 0.3579, 0.3737



36.8002, 0.2696, 0.2798

# 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.



47.2652, 0.2888, 0.2833



47.2652, 0.3579, 0.3737



47.2652, 0.2599, 0.2978

# Square

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



47.2652, 0.3579, 0.3737



47.2652, 0.2815, 0.3474



47.2652, 0.2686, 0.2847



47.2652, 0.3439, 0.3110



# Rectangle

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



47.2652, 0.3579, 0.3737



47.2652, 0.3167, 0.3743



47.2652, 0.2686, 0.2847



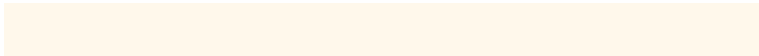
47.2652, 0.3068, 0.2885

# Sweetspot

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



47.2673, 0.3579, 0.3737



94.4123, 0.3253, 0.3421



35.4127, 0.3496, 0.3050



19.9902, 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.



47.2673, 0.3579, 0.3737



79.3820, 0.3693, 0.3839



54.0045, 0.3457, 0.3963



11.7866, 0.3273, 0.3442



18.4806, 0.4941, 0.4459



1.0054, 0.4748, 0.4612



# Inverse Universe

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



36.8002, 0.2696, 0.2798



57.9809, 0.2593, 0.2671



31.5617, 0.2739, 0.2549



10.8667, 0.2983, 0.3133



5.4266, 0.1642, 0.1112

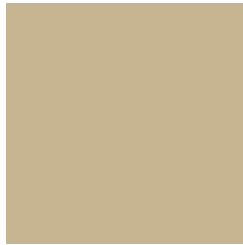


0.3916, 0.1762, 0.1544



# Previews

## White Background



This preview shows how the Yxy color 47.2652, 0.3579, 0.3737 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

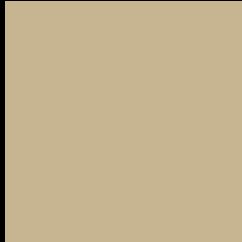
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.2652, 0.3579, 0.3737 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

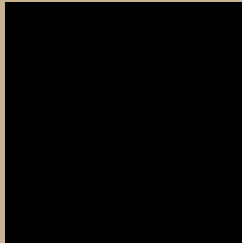
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

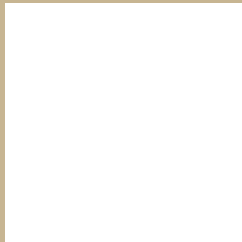
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.2652, 0.3579, 0.3737**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.2652, 0.3579, 0.3737.



This preview shows how white text looks on a background with the Yxy color 47.2652, 0.3579, 0.3737.

# 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

47.2652, 0.3579, 0.3737

### Protanopia

47.4429, 0.3519, 0.3756

### Deuteranopia

47.3034, 0.3718, 0.3646



## Tritanopia

47.1714, 0.3268, 0.3119

# Trichromacy



## Original Color

47.2652, 0.3579, 0.3737

## Protanomaly

47.2982, 0.3540, 0.3741

## Deuteranomaly

47.3573, 0.3664, 0.3676

## Tritanomaly

47.0180, 0.3384, 0.3341

# Monochromacy



## Original Color

47.2652, 0.3579, 0.3737

## Achromatopsia

46.7784, 0.3127, 0.3290

## Achromatomaly

47.0118, 0.3284, 0.3459

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.2652, 0.3579, 0.3737 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(199, 181, 146)` looks like.

```
.text, #text, p{  
    color:rgb(199, 181, 146)  
}
```

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(199, 181, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 181, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 47.2652, 0.3579, 0.3737 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(199, 181, 146) }
```

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

```
.border{ border-color:rgb(199, 181, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 181, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(199, 181, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(199, 181, 146); box-shadow:4px 4px 4px 4px rgb(199, 181, 146) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.2652, 0.3579, 0.3737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 181, 146) }
```

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

```
.background{ background-color: rgb(199,  
181, 146) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor