

# Converting Colors

$Yxy(43.9409, 0.3614, 0.3916)$

Have a look what the booklet for  
Yxy(43.9409, 0.3614, 0.3916)  
contains.

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# Color

**Yxy(44.1708, 0.3614, 0.3917)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCB283
RGB	188, 178, 131
RGB Percent	74%, 70%, 51%
CMY	0.2628, 0.3019, 0.4864
CMYK	0.00, 0.05, 0.30, 0.26
HSL	49°, 30%, 63%
HSV	49°, 30%, 74%
XYZ	40.7540, 44.1708, 27.8422
YIQ	175.6320, 21.0470, -12.4970

# Conversions

## Conversions Part 2

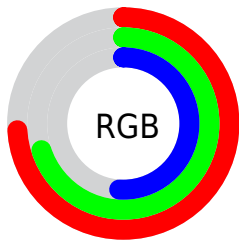
<b>Format</b>	<b>Color</b>
<b>RYB</b>	143, 188, 131
Decimal	12366467
CIELab	72.34, -3.75, 25.37
CIELCh	72, 25.647, 98.414
Yxy	44.1708, 0.3614, 0.3917
Android (android.graphics.Color)	4290556547 (0xFFBCB283)
YUV	175.6320, -22.0036, 10.8467
Hunter-Lab	66.4611, -6.8507, 21.6848

# Details

The Yxy color **44.1708, 0.3614, 0.3917** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.4937, 0.2616, 0.2573**, and the grayscale version is **43.3227, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.7188, 0.3529, 0.3808**, and **20.3296, 0.3752, 0.4090** is the 20% darker color. If you saturate the color by 10%, you get **42.4137, 0.3786, 0.4123**, and if you desaturate by 10%, it is **46.0559, 0.3445, 0.3706**.

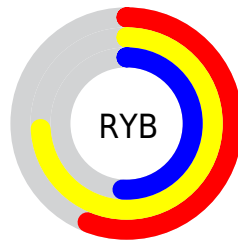
# Distribution



Red (74%)

Green (70%)

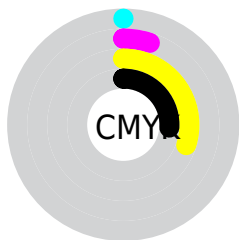
Blue (51%)



Red (56%)

Yellow (74%)

Blue (51%)

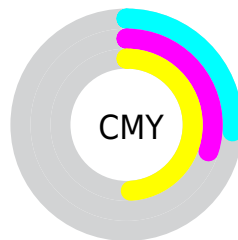


Cyan (0%)

Magenta (5%)

Yellow (30%)

Black (26%)



Cyan (26%)

Magenta (30%)


Yellow (49%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.1708, 0.3614, 0.3917 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 44.1708, 0.3614, 0.3917 by changing the saturation by 10% instead.




 44.1708, 0.3614,  
0.3917


 44.1708, 0.3614,  
0.3917

363.4048, 0.3372,  
0.3600

 30.8048, 0.3673,  
0.3996


 81.4747, 0.3527,  
0.3802

 20.4503, 0.3747,  
0.4097


 106.1814, 0.3494,  
0.3758

 12.7228, 0.3844,  
0.4230

 135.4371, 0.3466,  
0.3722

 7.2379, 0.3971,  
0.4412

169.6262, 0.3442,  
0.3690

 3.6113, 0.4142,  
0.4669

209.1332, 0.3421,  
0.3663

 1.4586, 0.4640,  
0.5360

254.3423, 0.3403,

 0.2593, 0.3739,

0.3640

0.6261

305.6381, 0.3386,  
0.3619

0.0000, 0.0000,  
0.0000

44.1708, 0.3614,  
0.3917

44.1708, 0.3614,  
0.3917

42.4137, 0.3786,  
0.4123

46.0559, 0.3445,  
0.3706

40.7733, 0.3955,  
0.4315

48.0677, 0.3284,  
0.3498

39.2459, 0.4115,  
0.4484

50.2129, 0.3132,  
0.3296

37.8252, 0.4259,  
0.4620

52.4957, 0.2992,  
0.3106

36.5041, 0.4380,  
0.4715

54.9201, 0.2863,  
0.2927

■ 35.2741, 0.4473,  
0.4764

■ 57.4900, 0.2747,  
0.2762

■ 34.1552, 0.4541,  
0.4777

■ 59.7115, 0.2684,  
0.2685

■ 61.2640, 0.2688,  
0.2723

■ 62.8496, 0.2691,  
0.2761

# Harmonies

## Analogous

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



44.1708, 0.3822, 0.3737



44.1708, 0.3614, 0.3917



44.1708, 0.3281, 0.3924

# Triad

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



44.1708, 0.3614, 0.3917



44.1708, 0.2466, 0.3053



44.1708, 0.3311, 0.2903

# Complementary

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



44.1708, 0.3614, 0.3917



27.4937, 0.2616, 0.2573

# 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.



44.1708, 0.2942, 0.2737



44.1708, 0.3614, 0.3917



44.1708, 0.2472, 0.2804

# Square

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



44.1708, 0.3614, 0.3917



44.1708, 0.2625, 0.3397



44.1708, 0.2640, 0.2697



44.1708, 0.3646, 0.3161



# Rectangle

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



44.1708, 0.3614, 0.3917



44.1708, 0.3037, 0.3815



44.1708, 0.2640, 0.2697



44.1708, 0.3186, 0.2836

# Sweetspot

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



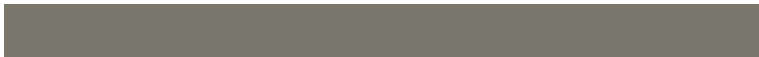
44.1728, 0.3614, 0.3917



87.5673, 0.3265, 0.3474



28.8534, 0.3674, 0.3146



18.7125, 0.3288, 0.3504



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



44.1728, 0.3614, 0.3917



78.0395, 0.3722, 0.4047



46.1419, 0.3416, 0.4079



10.8284, 0.3268, 0.3478



23.3529, 0.4536, 0.4781



0.9907, 0.4440, 0.4856



# Inverse Universe

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



27.4937, 0.2616, 0.2573



43.2620, 0.2496, 0.2396



26.2500, 0.2767, 0.2455



9.4884, 0.2984, 0.3095



3.2881, 0.1548, 0.0773



0.2132, 0.1661, 0.1179



# Previews

## White Background



This preview shows how the Yxy color 44.1708, 0.3614, 0.3917 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

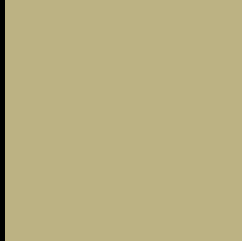
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.1708, 0.3614, 0.3917 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

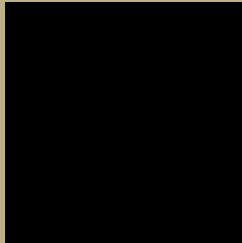
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.1708, 0.3614, 0.3917**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.1708, 0.3614, 0.3917.



This preview shows how white text looks on a background with the Yxy color 44.1708, 0.3614, 0.3917.

# 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

44.1708, 0.3614, 0.3917

### Protanopia

44.0301, 0.3637, 0.3900

### Deuteranopia

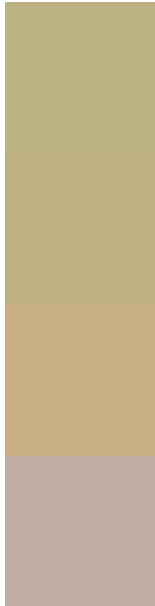
43.9982, 0.3831, 0.3754



## Tritanopia

44.0558, 0.3225, 0.3125

# Trichromacy



## Original Color

44.1708, 0.3614, 0.3917

## Protanomaly

43.9018, 0.3627, 0.3902

## Deuteranomaly

43.9706, 0.3749, 0.3817

## Tritanomaly

44.1952, 0.3367, 0.3408

# Monochromacy



## Original Color

44.1708, 0.3614, 0.3917

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

43.6856, 0.3295, 0.3520

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.1708, 0.3614, 0.3917 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(188, 178, 131)` looks like.

```
.text, #text, p{  
    color:rgb(188, 178, 131)  
}
```

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(188, 178, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 178, 131) }
```

## Border

The CSS property to change the border of an element to Yxy 44.1708, 0.3614, 0.3917 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(188, 178, 131) }
```

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

```
.border{ border-color:rgb(188, 178, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 178, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 178, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 178, 131);  
box-shadow:4px 4px 4px 4px rgb(188, 178,  
131) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.1708, 0.3614, 0.3917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 178, 131) }
```

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

```
.background{ background-color: rgb(188,  
178, 131) }
```

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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