

# Converting Colors

$Y_{xy}(42.3584, 0.3803, 0.4139)$

Have a look what the booklet for  
Yxy(42.3584, 0.3803, 0.4139)  
contains.

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# Color

**Yxy(42.4990, 0.3794, 0.4141)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCAF6F
RGB	188, 175, 111
RGB Percent	74%, 69%, 44%
CMY	0.2628, 0.3137, 0.5647
CMYK	0.00, 0.07, 0.41, 0.26
HSL	50°, 36%, 59%
HSV	50°, 41%, 74%
XYZ	38.9377, 42.4990, 21.1931
YIQ	171.5910, 28.2920, -17.1480

# Conversions

## Conversions Part 2

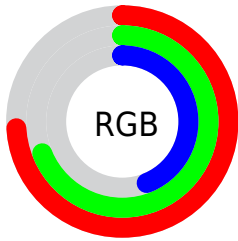
Format	Color
<b>RYB</b>	127, 188, 111
Decimal	12365679
CIELab	71.21, -4.57, 34.46
CIELCh	71, 34.764, 97.559
Yxy	42.4990, 0.3794, 0.4141
Android (android.graphics.Color)	4290555759 (0xFFBCAF6F)
YUV	171.5910, -29.8714, 14.3907
Hunter-Lab	65.1913, -7.4694, 26.3593

# Details

The Yxy color **42.4990, 0.3794, 0.4141** is a light color, and the websafe version is hex **999966**. A complement of this color would be **21.4267, 0.2410, 0.2261**, and the grayscale version is **41.1816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.6864, 0.3673, 0.3978**, and **19.5003, 0.3959, 0.4380** is the 20% darker color. If you saturate the color by 10%, you get **40.9091, 0.3961, 0.4333**, and if you desaturate by 10%, it is **44.2090, 0.3623, 0.3935**.

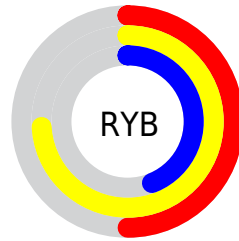
# Distribution



Red (74%)

Green (69%)

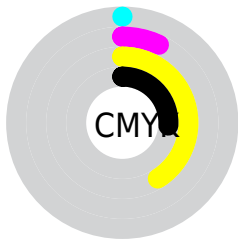
Blue (44%)



Red (50%)

Yellow (74%)

Blue (44%)

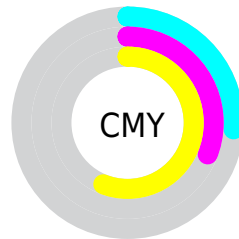


Cyan (0%)

Magenta (7%)

Yellow (41%)

Black (26%)



Cyan (26%)

Magenta (31%)


Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 42.4990, 0.3794, 0.4141 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 42.4990, 0.3794, 0.4141 by changing the saturation by 10% instead.





 42.4990, 0.3794,  
0.4141


 42.4990, 0.3794,  
0.4141


356.5473, 0.3465,  
0.3712


 29.4922, 0.3872,  
0.4246


 78.9543, 0.3677,  
0.3986

 19.4535, 0.3968,  
0.4379


 103.1716, 0.3632,  
0.3927

 11.9984, 0.4087,  
0.4549


 131.8945, 0.3594,  
0.3878

 6.7426, 0.4235,  
0.4770

 165.5074, 0.3561,  
0.3835

 3.3017, 0.4548,  
0.5219

204.3948, 0.3533,  
0.3798

 1.2912, 0.4576,  
0.5424

248.9410, 0.3507,

 0.1344, 0.1068,

0.3766

0.8932

299.5304, 0.3485,  
0.3737

0.0000, 0.0000,  
0.0000

42.4990, 0.3794,  
0.4141

42.4990, 0.3794,  
0.4141

40.9091, 0.3961,  
0.4333

44.2090, 0.3623,  
0.3935

39.4277, 0.4119,  
0.4501

46.0384, 0.3455,  
0.3723

38.0504, 0.4259,  
0.4636


47.9941, 0.3293,  
0.3512

36.7700, 0.4376,  
0.4729


50.0805, 0.3141,  
0.3309


35.5780, 0.4466,  
0.4777

52.3019, 0.3000,  
0.3116

 34.5603, 0.4526,  
0.4788

 54.6623, 0.2871,  
0.2935

 57.1657, 0.2753,  
0.2768

 59.3959, 0.2683,  
0.2677

 60.8842, 0.2687,  
0.2714

# Harmonies

## Analogous

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



42.4990, 0.4082, 0.3870



42.4990, 0.3794, 0.4141



42.4990, 0.3339, 0.4181

# Triad

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



42.4990, 0.3794, 0.4141



42.4990, 0.2242, 0.2964



42.4990, 0.3359, 0.2763

# Complementary

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



42.4990, 0.3794, 0.4141



21.4267, 0.2410, 0.2261

# 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.



42.4990, 0.2855, 0.2548



42.4990, 0.3794, 0.4141



42.4990, 0.2246, 0.2632

# Square

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



42.4990, 0.3794, 0.4141



42.4990, 0.2453, 0.3444



42.4990, 0.2459, 0.2495



42.4990, 0.3830, 0.3097



# Rectangle

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



42.4990, 0.3794, 0.4141



42.4990, 0.3007, 0.4038



42.4990, 0.2459, 0.2495



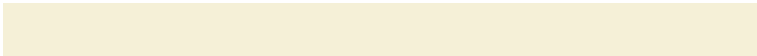
42.4990, 0.3187, 0.2676

# Sweetspot

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



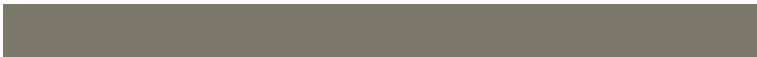
42.5010, 0.3794, 0.4141



86.5328, 0.3313, 0.3538



23.5463, 0.3961, 0.3095



18.5073, 0.3334, 0.3565



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.



42.5010, 0.3794, 0.4141



74.4670, 0.3943, 0.4312



44.9639, 0.3508, 0.4371



10.8391, 0.3268, 0.3479



23.6263, 0.4522, 0.4792



0.9992, 0.4430, 0.4864



# Inverse Universe

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



21.4267, 0.2410, 0.2261



31.2061, 0.2236, 0.1992



20.1857, 0.2608, 0.2121



9.4786, 0.2984, 0.3093



3.2411, 0.1545, 0.0763



0.2089, 0.1656, 0.1160



# Previews

## White Background



This preview shows how the Yxy color 42.4990, 0.3794, 0.4141 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

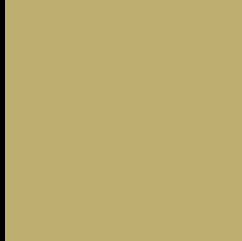
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 42.4990, 0.3794, 0.4141 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

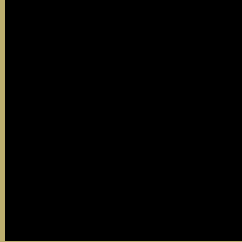
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 42.4990, 0.3794, 0.4141**

## **Background**



This preview shows how black text looks on a background with the Yxy color 42.4990, 0.3794, 0.4141.



This preview shows how white text looks on a background with the Yxy color 42.4990, 0.3794, 0.4141.

# 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

42.4990, 0.3794, 0.4141

### Protanopia

42.3670, 0.3819, 0.4123

### Deuteranopia

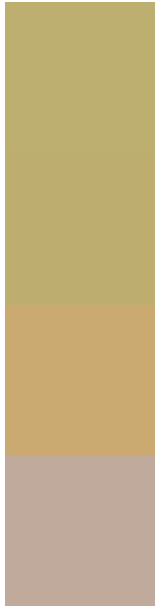
42.5313, 0.4037, 0.3958



## Tritanopia

42.5348, 0.3273, 0.3124

# Trichromacy



## Original Color

42.4990, 0.3794, 0.4141

## Protanomaly

42.2386, 0.3809, 0.4126

## Deuteranomaly

42.4759, 0.3950, 0.4027

## Tritanomaly

42.3225, 0.3464, 0.3489

# Monochromacy



## Original Color

42.4990, 0.3794, 0.4141

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

41.5541, 0.3369, 0.3607

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 42.4990, 0.3794, 0.4141 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, 175, 111)` looks like.

```
.text, #text, p{  
    color:rgb(188, 175, 111)  
}
```

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, 175, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 175, 111) }
```

## Border

The CSS property to change the border of an element to Yxy 42.4990, 0.3794, 0.4141 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, 175, 111) }
```

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

```
.border{ border-color:rgb(188, 175, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 175, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 175, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 175, 111);  
box-shadow:4px 4px 4px 4px rgb(188, 175,  
111) }
```



# Background

The CSS property to change the background color of an element to Yxy 42.4990, 0.3794, 0.4141 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 175, 111) }
```

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

```
.background{ background-color: rgb(188,  
175, 111) }
```

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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