

# Converting Colors

$Yxy(44.9061, 0.3569, 0.4092)$

Have a look what the booklet for  
Yxy(44.9061, 0.3569, 0.4092)  
contains.

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# Color

**Yxy(44.9059, 0.3569, 0.4092)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B77C
RGB	179, 183, 124
RGB Percent	70%, 72%, 49%
CMY	0.2979, 0.2824, 0.5138
CMYK	0.02, 0.00, 0.32, 0.28
HSL	64°, 29%, 60%
HSV	64°, 32%, 72%
XYZ	39.1665, 44.9059, 25.6684
YIQ	175.0780, 16.5550, -19.1970

# Conversions

## Conversions Part 2

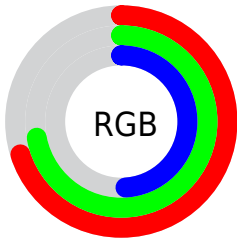
<b>Format</b>	<b>Color</b>
<b>RYB</b>	124, 183, 128
Decimal	11777916
CIELab	72.83, -10.81, 29.61
CIELCh	73, 31.518, 110.066
Yxy	44.9059, 0.3569, 0.4092
Android (android.graphics.Color)	4289967996 (0xFFB3B77C)
YUV	175.0780, -25.1815, 3.4396
Hunter-Lab	67.0119, -12.9428, 24.1978

# Details

The Yxy color  $44.9059, 0.3569, 0.4092$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $22.4175, 0.2598, 0.2362$ , and the grayscale version is  $43.0412, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $82.5695, 0.3491, 0.3945$ , and  $20.8196, 0.3678, 0.4332$  is the 20% darker color. If you saturate the color by 10%, you get  $44.3411, 0.3699, 0.4335$ , and if you desaturate by 10%, it is  $45.5619, 0.3432, 0.3840$ .

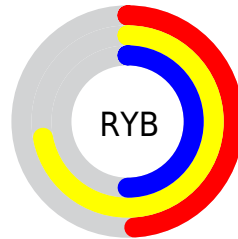
# Distribution



Red (70%)

Green (72%)

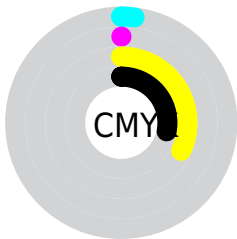
Blue (49%)



Red (49%)

Yellow (72%)

Blue (50%)

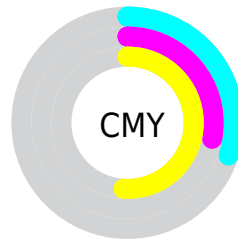


Cyan (2%)

Magenta (0%)

Yellow (32%)

Black (28%)



Cyan (30%)

Magenta (28%)


Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.9059, 0.3569, 0.4092 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 44.9059, 0.3569, 0.4092 by changing the saturation by 10% instead.





 44.9059, 0.3569,  
0.4092

 44.9059, 0.3569,  
0.4092


366.3923, 0.3355,  
0.3683


 31.3833, 0.3619,  
0.4195


 82.5792, 0.3494,  
0.3942

 20.8909, 0.3680,  
0.4328


 107.4987, 0.3465,  
0.3886

 13.0443, 0.3756,  
0.4503


 136.9859, 0.3440,  
0.3839

 7.4590, 0.3849,  
0.4744

171.4253, 0.3418,  
0.3799

 3.7508, 0.3969,  
0.5103

211.2013, 0.3399,  
0.3764

 1.5352, 0.4197,  
0.5803

256.6981, 0.3383,

 0.3133, 0.0973,

0.3733

0.9027

308.3004, 0.3368,  
0.3706

0.0000, 0.0000,  
0.0000

44.9059, 0.3569,  
0.4092

44.9059, 0.3569,  
0.4092

44.3411, 0.3699,  
0.4335

45.5619, 0.3432,  
0.3840

43.8568, 0.3816,  
0.4559

46.3076, 0.3294,  
0.3589

43.4497, 0.3915,  
0.4756


47.1489, 0.3157,  
0.3344


43.1140, 0.3991,  
0.4916


48.0899, 0.3026,  
0.3110


42.8430, 0.4043,  
0.5034

49.1340, 0.2902,  
0.2891

 42.6288, 0.4069,  
0.5109

 50.2848, 0.2786,  
0.2689

 42.4892, 0.4076,  
0.5145

 51.5455, 0.2679,  
0.2503

 51.8882, 0.2670,  
0.2477

 52.0461, 0.2679,  
0.2479

# Harmonies

## Analogous

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



44.9059, 0.3899, 0.3932



44.9059, 0.3569, 0.4092



44.9059, 0.3135, 0.4011

# Triad

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



44.9059, 0.3569, 0.4092



44.9059, 0.2309, 0.2859



44.9059, 0.3522, 0.2933

# Complementary

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



44.9059, 0.3569, 0.4092



22.4175, 0.2598, 0.2362

# 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.



44.9059, 0.3068, 0.2687



44.9059, 0.3569, 0.4092



44.9059, 0.2393, 0.2628

# Square

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



44.9059, 0.3569, 0.4092



44.9059, 0.2422, 0.3244



44.9059, 0.2661, 0.2575



44.9059, 0.3881, 0.3265



# Rectangle

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



44.9059, 0.3569, 0.4092



44.9059, 0.2847, 0.3814



44.9059, 0.2661, 0.2575



44.9059, 0.3374, 0.2838

# Sweetspot

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



44.9079, 0.3569, 0.4092



83.2384, 0.3265, 0.3537



26.9404, 0.3838, 0.3349



18.3401, 0.3284, 0.3572



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

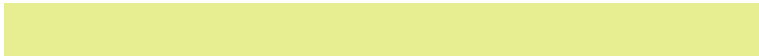


# Same Dimension

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



44.9079, 0.3569, 0.4092



79.6668, 0.3666, 0.4273



41.7630, 0.3300, 0.4167



10.4718, 0.3254, 0.3517



29.6543, 0.4078, 0.5144



1.0547, 0.4109, 0.5119



# Inverse Universe

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



22.4175, 0.2598, 0.2362



32.8385, 0.2451, 0.2111



25.0428, 0.2892, 0.2435



8.7475, 0.2994, 0.3054



2.4526, 0.1525, 0.0614



0.0962, 0.1626, 0.0669



# Previews

## White Background



This preview shows how the Yxy color 44.9059, 0.3569, 0.4092 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 44.9059, 0.3569, 0.4092 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

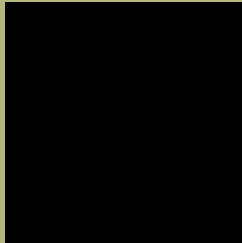
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.9059, 0.3569, 0.4092**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.9059, 0.3569, 0.4092.



This preview shows how white text looks on a background with the Yxy color 44.9059, 0.3569, 0.4092.

# 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

44.9059, 0.3569, 0.4092

### Protanopia

44.5834, 0.3737, 0.4022

### Deuteranopia

44.6552, 0.3910, 0.3833



## Tritanopia

44.8989, 0.3118, 0.3111

# Trichromacy



## Original Color

44.9059, 0.3569, 0.4092

## Protanomaly

44.7639, 0.3673, 0.4046

## Deuteranomaly

44.4457, 0.3784, 0.3919

## Tritanomaly

44.7477, 0.3287, 0.3463

# Monochromacy



## Original Color

44.9059, 0.3569, 0.4092

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

43.4712, 0.3290, 0.3591

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.9059, 0.3569, 0.4092 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(179, 183, 124)` looks like.

```
.text, #text, p{  
    color:rgb(179, 183, 124)  
}
```

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(179, 183, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 183, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 44.9059, 0.3569, 0.4092 is called "border". The border property can be set on classes, ids or directly on the HTML element.

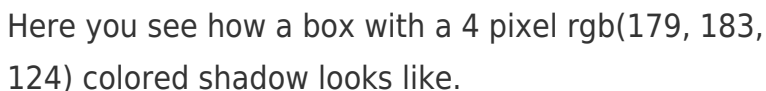
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(179, 183, 124) }
```

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

```
.border{ border-color:rgb(179, 183, 124) }
```

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



Here you see how a box with a 4 pixel `rgb(179, 183, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 183, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 183, 124);  
box-shadow:4px 4px 4px 4px rgb(179, 183,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.9059, 0.3569, 0.4092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 183, 124) }
```

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

```
.background{ background-color: rgb(179,  
183, 124) }
```

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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