

# Converting Colors

Yxy(52.6684, 0.3619, 0.4130)

Have a look what the booklet for  
Yxy(52.6684, 0.3619, 0.4130)  
contains.

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# Color

**Yxy(52.6937, 0.3620, 0.4123)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C3C482
RGB	195, 196, 130
RGB Percent	76%, 77%, 51%
CMY	0.2355, 0.2313, 0.4903
CMYK	0.01, 0.00, 0.34, 0.23
HSL	61°, 36%, 64%
HSV	61°, 34%, 77%
XYZ	46.2651, 52.6937, 28.8454
YIQ	188.1770, 20.5900, -20.7380

# Conversions

## Conversions Part 2

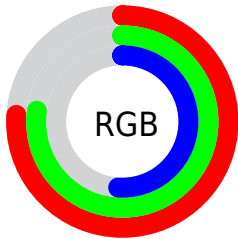
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 196, 131
Decimal	12829826
CIELab	77.69, -10.54, 33.09
CIELCh	78, 34.728, 107.662
Yxy	52.6937, 0.3620, 0.4123
Android (android.graphics.Color)	4291019906 (0xFFC3C482)
YUV	188.1770, -28.6813, 5.9838
Hunter-Lab	72.5904, -13.2672, 27.2531

# Details

The Yxy color **52.6937, 0.3620, 0.4123** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **24.7769, 0.2537, 0.2301**, and the grayscale version is **50.5497, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4067, 0.3534, 0.3975**, and **25.5006, 0.3731, 0.4337** is the 20% darker color. If you saturate the color by 10%, you get **52.1768, 0.3758, 0.4358**, and if you desaturate by 10%, it is **53.3157, 0.3474, 0.3876**.

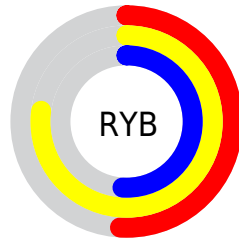
# Distribution



Red (76%)

Green (77%)

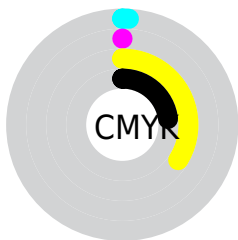
Blue (51%)



Red (51%)

Yellow (77%)

Blue (51%)

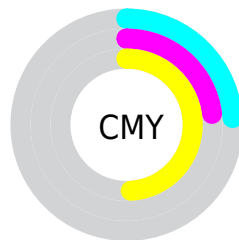


Cyan (1%)

Magenta (0%)

Yellow (34%)

Black (23%)



Cyan (24%)

Magenta (23%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6937, 0.3620, 0.4123 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 52.6937, 0.3620, 0.4123 by changing the saturation by 10% instead.





 52.6937, 0.3620,  
0.4123


 52.6937, 0.3620,  
0.4123

397.1089, 0.3388,  
0.3711

 37.5583, 0.3672,  
0.4223


 94.1535, 0.3540,  
0.3975

 25.6401, 0.3736,  
0.4349


 121.2467, 0.3508,  
0.3919

 16.5546, 0.3813,  
0.4512


 153.0946, 0.3481,  
0.3871

 9.9174, 0.3907,  
0.4727

190.0816, 0.3458,  
0.3830

 5.3442, 0.4015,  
0.5021

232.5922, 0.3437,  
0.3794

 2.4506, 0.4313,  
0.5687

281.0107, 0.3419,

 0.8518, 0.3934,

0.3763

0.6066

335.7214, 0.3402,  
0.3735

0.0000, 0.0000,  
0.0000

52.6937, 0.3620,  
0.4123

52.6937, 0.3620,  
0.4123

52.1768, 0.3758,  
0.4358

53.3157, 0.3474,  
0.3876

51.7523, 0.3882,  
0.4571

54.0409, 0.3326,  
0.3625

51.4160, 0.3987,  
0.4752


54.8766, 0.3180,  
0.3379

51.1611, 0.4069,  
0.4895

55.8274, 0.3039,  
0.3142


50.9794, 0.4124,  
0.4995

56.8977, 0.2906,  
0.2919

 50.8611, 0.4155,  
0.5053

 58.0914, 0.2782,  
0.2711

 50.8074, 0.4165,  
0.5075

 58.6019, 0.2739,  
0.2638

 58.6446, 0.2742,  
0.2638

 58.6875, 0.2744,  
0.2638

# Harmonies

## Analogous

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



52.6937, 0.3951, 0.3936



52.6937, 0.3620, 0.4123



52.6937, 0.3171, 0.4062

# Triad

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



52.6937, 0.3620, 0.4123



52.6937, 0.2277, 0.2866



52.6937, 0.3503, 0.2893

# Complementary

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



52.6937, 0.3620, 0.4123



24.7769, 0.2537, 0.2301

# 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.



52.6937, 0.3027, 0.2648



52.6937, 0.3620, 0.4123



52.6937, 0.2349, 0.2612

# Square

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



52.6937, 0.3620, 0.4123



52.6937, 0.2410, 0.3277



52.6937, 0.2612, 0.2544



52.6937, 0.3892, 0.3233



# Rectangle

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



52.6937, 0.3620, 0.4123



52.6937, 0.2868, 0.3869



52.6937, 0.2612, 0.2544



52.6937, 0.3346, 0.2798

# Sweetspot

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



52.6961, 0.3620, 0.4123



98.3872, 0.3274, 0.3537



29.3109, 0.3907, 0.3292



21.0140, 0.3295, 0.3573



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.



52.6961, 0.3620, 0.4123



94.7691, 0.3717, 0.4288



48.8868, 0.3344, 0.4205



11.7498, 0.3262, 0.3518



32.6425, 0.4166, 0.5075



1.4131, 0.4172, 0.5069



# Inverse Universe

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



24.7769, 0.2537, 0.2301



36.9360, 0.2392, 0.2060



27.7344, 0.2834, 0.2378



9.7556, 0.2986, 0.3052



2.5776, 0.1506, 0.0603



0.1141, 0.1528, 0.0615



# Previews

## White Background



This preview shows how the Yxy color 52.6937, 0.3620, 0.4123 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 52.6937, 0.3620, 0.4123 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

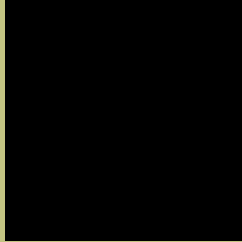
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.6937, 0.3620, 0.4123**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.6937, 0.3620, 0.4123.



This preview shows how white text looks on a background with the Yxy color 52.6937, 0.3620, 0.4123.

# 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

52.6937, 0.3620, 0.4123

### Protanopia

52.6677, 0.3767, 0.4069

### Deuteranopia

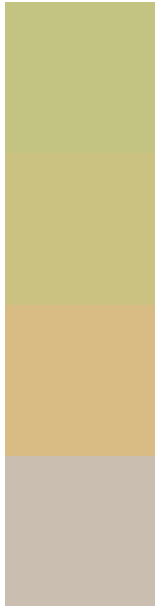
52.6324, 0.3952, 0.3875



## Tritanopia

52.6423, 0.3152, 0.3111

# Trichromacy



## Original Color

52.6937, 0.3620, 0.4123

## Protanomaly

52.4214, 0.3710, 0.4081

## Deuteranomaly

52.3841, 0.3834, 0.3956

## Tritanomaly

52.3790, 0.3328, 0.3463

# Monochromacy



## Original Color

52.6937, 0.3620, 0.4123

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

51.1280, 0.3312, 0.3596

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.6937, 0.3620, 0.4123 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(195, 196, 130)` looks like.

```
.text, #text, p{  
    color:rgb(195, 196, 130)  
}
```

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(195, 196, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(195, 196, 130) }
```

## Border

The CSS property to change the border of an element to Yxy 52.6937, 0.3620, 0.4123 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(195, 196, 130) }
```

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

```
.border{ border-color:rgb(195, 196, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(195, 196, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(195, 196, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(195, 196, 130);  
box-shadow:4px 4px 4px 4px rgb(195, 196,  
130) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.6937, 0.3620, 0.4123 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(195, 196, 130) }
```

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

```
.background{ background-color: rgb(195,  
196, 130) }
```

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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