

# Converting Colors

$Yxy(52.5579, 0.3332, 0.3732)$

Have a look what the booklet for  
Yxy(52.5579, 0.3332, 0.3732)  
contains.

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# Color

**Yxy(52.4222, 0.3335, 0.3725)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDC3A1
RGB	189, 195, 161
RGB Percent	74%, 76%, 63%
CMY	0.2589, 0.2353, 0.3685
CMYK	0.03, 0.00, 0.17, 0.24
HSL	71°, 22%, 70%
HSV	71°, 17%, 76%
XYZ	46.9337, 52.4222, 41.3748
YIQ	189.3300, 7.3380, -11.8460

# Conversions

## Conversions Part 2

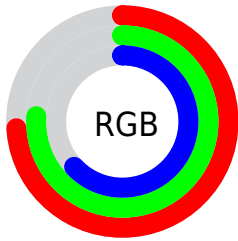
<b>Format</b>	<b>Color</b>
<b>RYB</b>	161, 195, 167
Decimal	12436385
CIELab	77.53, -7.96, 16.40
CIELCh	78, 18.229, 115.878
Yxy	52.4222, 0.3335, 0.3725
Android (android.graphics.Color)	4290626465 (0xFFBDC3A1)
YUV	189.3300, -13.9667, -0.2894
Hunter-Lab	72.4032, -10.9970, 16.8009

# Details

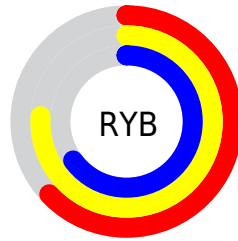
The Yxy color  $52.4222, 0.3335, 0.3725$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $37.6602, 0.2897, 0.2830$ , and the grayscale version is  $51.1671, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $93.9912, 0.3296, 0.3650$ , and  $25.3048, 0.3388, 0.3848$  is the 20% darker color. If you saturate the color by 10%, you get  $51.3526, 0.3454, 0.3986$ , and if you desaturate by 10%, it is  $53.6142, 0.3215, 0.3471$ .

# Distribution



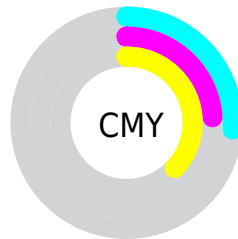
- Red (74%)
- Green (76%)
- Blue (63%)



- Red (63%)
- Yellow (76%)
- Blue (65%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)




- Cyan (26%)
- Magenta (24%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.4222, 0.3335, 0.3725 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 52.4222, 0.3335, 0.3725 by changing the saturation by 10% instead.




 52.4222, 0.3335,  
0.3725

 52.4222, 0.3335,  
0.3725


396.0644, 0.3235,  
0.3508

 37.3417, 0.3359,  
0.3779


 93.7536, 0.3300,  
0.3647

 25.4722, 0.3388,  
0.3847


 120.7733, 0.3286,  
0.3617

 16.4292, 0.3426,  
0.3938


152.5415, 0.3275,  
0.3592

 9.8284, 0.3476,  
0.4064

189.4427, 0.3264,  
0.3571

 5.2853, 0.3545,  
0.4248

231.8611, 0.3256,  
0.3552

 2.4156, 0.3642,  
0.4541

280.1813, 0.3248,


 0.8339, 0.4178,


0.3536


0.5822


334.7876, 0.3241,  
0.3521


 0.0000, 0.0000,  
0.0000


 52.4222, 0.3335,  
0.3725


 52.4222, 0.3335,  
0.3725

 51.3526, 0.3454,  
0.3986


 53.6142, 0.3215,  
0.3471


 50.3936, 0.3569,  
0.4247


 54.9265, 0.3097,  
0.3229


 49.5419, 0.3673,  
0.4499

 56.3657, 0.2985,  
0.3003

 48.7916, 0.3761,  
0.4730

 57.9361, 0.2878,  
0.2794

 48.1363, 0.3829,  
0.4931

 59.4121, 0.2801,  
0.2638

■ 47.5686, 0.3873,  
0.5093

■ 59.9129, 0.2825,  
0.2642

■ 47.0798, 0.3891,  
0.5210

■ 60.4245, 0.2849,  
0.2646

■ 46.6578, 0.3885,  
0.5283

■ 60.9472, 0.2874,  
0.2651

■ 46.5544, 0.3882,  
0.5299

■ 61.4809, 0.2898,  
0.2655

# Harmonies

## Analogous

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



52.4222, 0.3528, 0.3676



52.4222, 0.3335, 0.3725



52.4222, 0.3091, 0.3647

# Triad

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



52.4222, 0.3335, 0.3725



52.4222, 0.2663, 0.3027



52.4222, 0.3390, 0.3124

# Complementary

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



52.4222, 0.3335, 0.3725



37.6602, 0.2897, 0.2830

# 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.



52.4222, 0.3149, 0.2967



52.4222, 0.3335, 0.3725



52.4222, 0.2735, 0.2906

# Square

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



52.4222, 0.3335, 0.3725



52.4222, 0.2709, 0.3229



52.4222, 0.2910, 0.2887



52.4222, 0.3563, 0.3326



# Rectangle

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



52.4222, 0.3335, 0.3725



52.4222, 0.2934, 0.3531



52.4222, 0.2910, 0.2887



52.4222, 0.3314, 0.3065

# Sweetspot

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



52.4245, 0.3335, 0.3725



96.5484, 0.3187, 0.3413



41.7013, 0.3446, 0.3365



21.1073, 0.3195, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

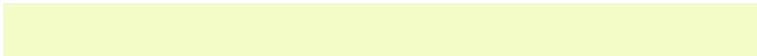


# Same Dimension

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



52.4245, 0.3335, 0.3725



93.1127, 0.3382, 0.3826



50.4180, 0.3197, 0.3744



11.6652, 0.3238, 0.3519



30.2886, 0.3887, 0.5296



1.3329, 0.3959, 0.5238



# Inverse Universe

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



37.6602, 0.2897, 0.2830



61.6345, 0.2837, 0.2715



39.5905, 0.3044, 0.2850



9.8319, 0.3010, 0.3054



2.8143, 0.1587, 0.0648

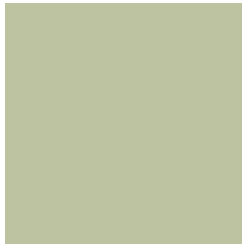


0.1485, 0.1787, 0.0758



# Previews

## White Background



This preview shows how the Yxy color 52.4222, 0.3335, 0.3725 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 52.4222, 0.3335, 0.3725 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

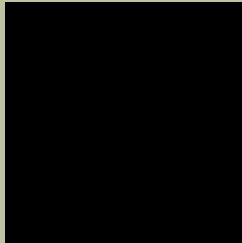
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

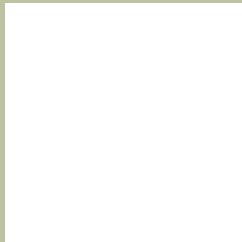
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 52.4222, 0.3335, 0.3725**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.4222, 0.3335, 0.3725.



This preview shows how white text looks on a background with the Yxy color 52.4222, 0.3335, 0.3725.

# 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

52.4222, 0.3335, 0.3725

### Protanopia

52.3214, 0.3471, 0.3688

### Deuteranopia

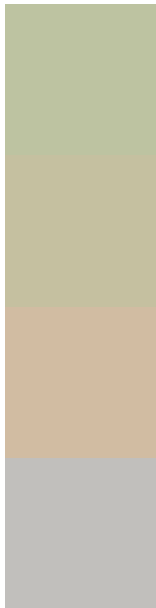
52.1410, 0.3616, 0.3539



## Tritanopia

52.3569, 0.3063, 0.3108

# Trichromacy



## Original Color

52.4222, 0.3335, 0.3725

## Protanomaly

52.1077, 0.3417, 0.3693

## Deuteranomaly

52.1304, 0.3516, 0.3608

## Tritanomaly

52.2299, 0.3166, 0.3327

# Monochromacy



## Original Color

52.4222, 0.3335, 0.3725

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.3351, 0.3202, 0.3442

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.4222, 0.3335, 0.3725 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(189, 195, 161)` looks like.

```
.text, #text, p{  
    color:rgb(189, 195, 161)  
}
```

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(189, 195, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 195, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 52.4222, 0.3335, 0.3725 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(189, 195, 161) }
```

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

```
.border{ border-color:rgb(189, 195, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 195, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 195, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 195, 161);  
box-shadow:4px 4px 4px 4px rgb(189, 195,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.4222, 0.3335, 0.3725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 195, 161) }
```

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

```
.background{ background-color: rgb(189,  
195, 161) }
```

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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