

# Converting Colors

Yxy(51.4321, 0.3631, 0.4021)

Have a look what the booklet for  
Yxy(51.4321, 0.3631, 0.4021)  
contains.

<b>Yxy(51.4263, 0.3631, 0.4021)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(51.4263, 0.3631, 0.4021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C6C086
RGB	198, 192, 134
RGB Percent	78%, 75%, 53%
CMY	0.2236, 0.2470, 0.4745
CMYK	0.00, 0.03, 0.32, 0.22
HSL	54°, 36%, 65%
HSV	54°, 32%, 78%
XYZ	46.4384, 51.4263, 30.0296
YIQ	187.1820, 22.1940, -16.7660

# Conversions

## Conversions Part 2

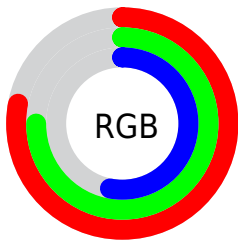
Format	Color
<b>RYB</b>	141, 198, 134
Decimal	13025414
CIELab	76.94, -6.78, 30.05
CIELCh	77, 30.807, 102.717
Yxy	51.4263, 0.3631, 0.4021
Android (android.graphics.Color)	4291215494 (0xFFC6C086)
YUV	187.1820, -26.2187, 9.4874
Hunter-Lab	71.7121, -9.9055, 25.3707

# Details

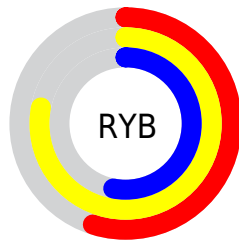
The Yxy color **51.4263, 0.3631, 0.4021** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **27.8919, 0.2566, 0.2435**, and the grayscale version is **49.9435, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.0256, 0.3542, 0.3886**, and **24.9450, 0.3747, 0.4218** is the 20% darker color. If you saturate the color by 10%, you get **50.1198, 0.3789, 0.4241**, and if you desaturate by 10%, it is **52.8511, 0.3471, 0.3793**.

# Distribution



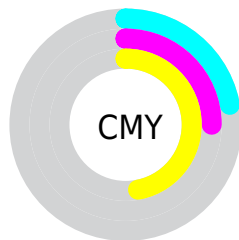
- Red (78%)
- Green (75%)
- Blue (53%)



- Red (55%)
- Yellow (78%)
- Blue (53%)



- Cyan (0%)
- Magenta (3%)
- Yellow (32%)
- Black (22%)




- Cyan (22%)
- Magenta (25%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.4263, 0.3631, 0.4021 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 51.4263, 0.3631, 0.4021 by changing the saturation by 10% instead.




 51.4263, 0.3631,  
0.4021

 51.4263, 0.3631,  
0.4021


392.2178, 0.3389,  
0.3660

 36.5480, 0.3687,  
0.4109


 92.2846, 0.3546,  
0.3891

 24.8577, 0.3756,  
0.4219


 119.0334, 0.3513,  
0.3842

 15.9711, 0.3843,  
0.4362


 150.5078, 0.3485,  
0.3800

 9.5037, 0.3952,  
0.4552

187.0922, 0.3461,  
0.3764

 5.0712, 0.4089,  
0.4812

229.1710, 0.3440,  
0.3733

 2.2891, 0.4507,  
0.5493

277.1286, 0.3421,

 0.7679, 0.4236,

0.3706

0.5764

331.3494, 0.3404,  
0.3681

0.0000, 0.0000,  
0.0000

51.4263, 0.3631,  
0.4021

51.4263, 0.3631,  
0.4021

50.1198, 0.3789,  
0.4241

52.8511, 0.3471,  
0.3793

48.9188, 0.3938,  
0.4442

54.3925, 0.3313,  
0.3564

47.8192, 0.4073,  
0.4615


56.0580, 0.3161,  
0.3341

46.8139, 0.4186,  
0.4753

57.8522, 0.3018,  
0.3127

45.8946, 0.4275,  
0.4847


59.7795, 0.2886,  
0.2927

 45.0517, 0.4335,  
0.4898

 61.8442, 0.2764,  
0.2741

 44.4425, 0.4368,  
0.4914

 62.8653, 0.2753,  
0.2740

 63.7551, 0.2754,  
0.2761

 64.6554, 0.2756,  
0.2782

# Harmonies

## Analogous

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



51.4263, 0.3898, 0.3832



51.4263, 0.3631, 0.4021



51.4263, 0.3239, 0.4002

# Triad

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



51.4263, 0.3631, 0.4021



51.4263, 0.2368, 0.2966



51.4263, 0.3396, 0.2889

# Complementary

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



51.4263, 0.3631, 0.4021



27.8919, 0.2566, 0.2435

# 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.



51.4263, 0.2972, 0.2684



51.4263, 0.3631, 0.4021



51.4263, 0.2402, 0.2708

# Square

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



51.4263, 0.3631, 0.4021



51.4263, 0.2520, 0.3350



51.4263, 0.2615, 0.2616



51.4263, 0.3764, 0.3188



# Rectangle

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



51.4263, 0.3631, 0.4021



51.4263, 0.2963, 0.3855



51.4263, 0.2615, 0.2616



51.4263, 0.3254, 0.2808

# Sweetspot

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



51.4286, 0.3631, 0.4021



96.9548, 0.3279, 0.3515



30.9573, 0.3788, 0.3207



20.6647, 0.3301, 0.3547



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

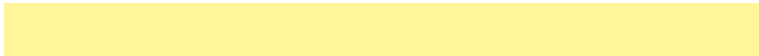


# Same Dimension

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



51.4286, 0.3631, 0.4021



89.3806, 0.3746, 0.4182



50.9182, 0.3390, 0.4150



12.2410, 0.3267, 0.3497



28.9736, 0.4365, 0.4916



1.4225, 0.4325, 0.4948



# Inverse Universe

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



27.8919, 0.2566, 0.2435



41.0955, 0.2420, 0.2205



28.5563, 0.2787, 0.2402



10.4442, 0.2983, 0.3074



3.0001, 0.1520, 0.0670



0.1979, 0.1582, 0.0894



# Previews

## White Background



This preview shows how the Yxy color 51.4263, 0.3631, 0.4021 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

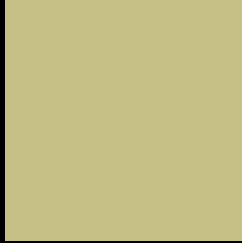
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 51.4263, 0.3631, 0.4021 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

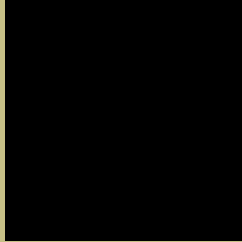
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 51.4263, 0.3631, 0.4021**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.4263, 0.3631, 0.4021.



This preview shows how white text looks on a background with the Yxy color 51.4263, 0.3631, 0.4021.

# 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

51.4263, 0.3631, 0.4021

### Protanopia

51.4995, 0.3709, 0.3994

### Deuteranopia

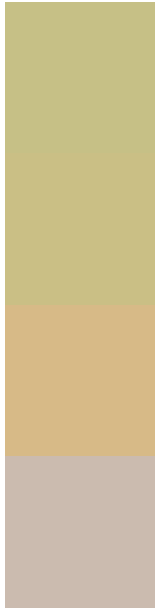
51.2410, 0.3900, 0.3827



## Tritanopia

51.4800, 0.3202, 0.3123

# Trichromacy



## Original Color

51.4263, 0.3631, 0.4021

## Protanomaly

51.5116, 0.3678, 0.4013

## Deuteranomaly

51.3142, 0.3800, 0.3903

## Tritanomaly

51.3323, 0.3358, 0.3438

# Monochromacy



## Original Color

51.4263, 0.3631, 0.4021

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

50.2987, 0.3308, 0.3559

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.4263, 0.3631, 0.4021 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(198, 192, 134)` looks like.

```
.text, #text, p{  
    color:rgb(198, 192, 134)  
}
```

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(198, 192, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 192, 134) }
```

## Border

The CSS property to change the border of an element to Yxy 51.4263, 0.3631, 0.4021 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(198, 192, 134) }
```

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

```
.border{ border-color:rgb(198, 192, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 192, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 192, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 192, 134);  
box-shadow:4px 4px 4px 4px rgb(198, 192,  
134) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.4263, 0.3631, 0.4021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 192, 134) }
```

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

```
.background{ background-color: rgb(198,  
192, 134) }
```

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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