

# Converting Colors

Yxy(51.7096, 0.3266, 0.3734)

Have a look what the booklet for  
Yxy(51.7096, 0.3266, 0.3734)  
contains.

<b>Yxy(51.8768, 0.3267, 0.3747)</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(51.8768, 0.3267, 0.3747)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B5C4A1
RGB	181, 196, 161
RGB Percent	71%, 77%, 63%
CMY	0.2901, 0.2314, 0.3687
CMYK	0.08, 0.00, 0.18, 0.23
HSL	86°, 23%, 70%
HSV	86°, 18%, 77%
XYZ	45.2313, 51.8768, 41.3408
YIQ	187.5250, 2.2950, -14.0650

# Conversions

## Conversions Part 2

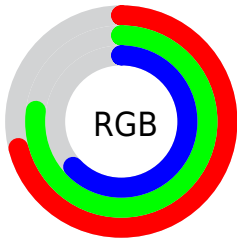
Format	Color
<a href="#">RYB</a>	<a href="#">161, 196, 176</a>
Decimal	<a href="#">11912353</a>
CIELab	<a href="#">77.21, -11.39, 15.88</a>
CIElCh	<a href="#">77, 19.542, 125.653</a>
Yxy	<a href="#">51.8768, 0.3267, 0.3747</a>
Android (android.graphics.Color)	<a href="#">4290102433 (0xFFB5C4A1)</a>
YUV	<a href="#">187.5250, -13.0768, -5.7224</a>
Hunter-Lab	<a href="#">72.0256, -13.9487, 16.3869</a>

# Details

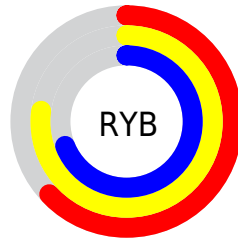
The Yxy color **51.8768, 0.3267, 0.3747** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **38.6973, 0.2967, 0.2828**, and the grayscale version is **50.0827, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2130, 0.3242, 0.3666**, and **25.0393, 0.3305, 0.3879** is the 20% darker color. If you saturate the color by 10%, you get **50.2573, 0.3343, 0.4026**, and if you desaturate by 10%, it is **53.6702, 0.3189, 0.3484**.

# Distribution



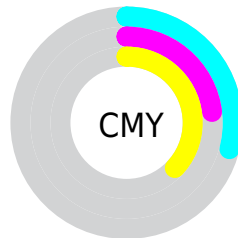
- Red (71%)
- Green (77%)
- Blue (63%)



- Red (63%)
- Yellow (77%)
- Blue (69%)



- Cyan (8%)
- Magenta (0%)
- Yellow (18%)
- Black (23%)



- Cyan (29%)
- Magenta (23%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 51.8768, 0.3267, 0.3747 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 51.8768, 0.3267, 0.3747 by changing the saturation by 10% instead.



■ 51.8768, 0.3267,  
0.3747

■ 51.8768, 0.3267,  
0.3747

■ 393.9608, 0.3201,  
0.3518

■ 36.9069, 0.3282,  
0.3804

■ 92.9495, 0.3244,  
0.3664

■ 25.1354, 0.3301,  
0.3878

■ 119.8211, 0.3235,  
0.3632

■ 16.1780, 0.3325,  
0.3976

■ 151.4287, 0.3227,  
0.3606

■ 9.6502, 0.3355,  
0.4113

■ 188.1567, 0.3221,  
0.3583

■ 5.1676, 0.3395,  
0.4316

■ 230.3896, 0.3215,  
0.3564

■ 2.3460, 0.3444,  
0.4647

■ 278.5116, 0.3210,

■ 0.7979, 0.3758,

0.3546

0.6242

332.9072, 0.3205,  
0.3531

0.0000, 0.0000,  
0.0000

51.8768, 0.3267,  
0.3747

51.8768, 0.3267,  
0.3747

50.2573, 0.3343,  
0.4026

53.6702, 0.3189,  
0.3484

48.7989, 0.3412,  
0.4314

55.6366, 0.3111,  
0.3240

47.4972, 0.3471,  
0.4601


57.7836, 0.3035,  
0.3016

46.3454, 0.3515,  
0.4877


60.1163, 0.2962,  
0.2814


45.3355, 0.3539,  
0.5126


62.3803, 0.2919,  
0.2670

 44.4590, 0.3541,  
0.5337


 63.7452, 0.2980,  
0.2681

 43.7059, 0.3519,  
0.5498

 65.1770, 0.3041,  
0.2692

 43.0620, 0.3477,  
0.5608

 66.6766, 0.3103,  
0.2703

 42.9340, 0.3467,  
0.5629

 67.9602, 0.3154,  
0.2712

# Harmonies

## Analogous

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



51.8768, 0.3501, 0.3736



51.8768, 0.3267, 0.3747



51.8768, 0.3003, 0.3620

# Triad

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



51.8768, 0.3267, 0.3747



51.8768, 0.2641, 0.2953



51.8768, 0.3482, 0.3179

# Complementary

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



51.8768, 0.3267, 0.3747



38.6973, 0.2967, 0.2828

# 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.



51.8768, 0.3238, 0.2991



51.8768, 0.3267, 0.3747



51.8768, 0.2756, 0.2859

# Square

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



51.8768, 0.3267, 0.3747



51.8768, 0.2649, 0.3145



51.8768, 0.2972, 0.2875



51.8768, 0.3630, 0.3400



# Rectangle

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



51.8768, 0.3267, 0.3747



51.8768, 0.2845, 0.3475



51.8768, 0.2972, 0.2875



51.8768, 0.3408, 0.3111

# Sweetspot

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



51.8791, 0.3267, 0.3747



98.1858, 0.3167, 0.3414



45.1933, 0.3436, 0.3479



20.9627, 0.3172, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

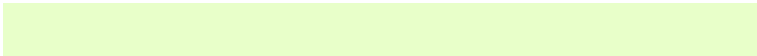


# Same Dimension

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



51.8791, 0.3267, 0.3747



92.9287, 0.3294, 0.3842



49.9353, 0.3128, 0.3767



11.5368, 0.3200, 0.3522



27.6384, 0.3476, 0.5622



1.2342, 0.3634, 0.5497



# Inverse Universe

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



38.6973, 0.2967, 0.2828



65.1087, 0.2931, 0.2730



40.8192, 0.3121, 0.2849



9.9539, 0.3049, 0.3057



3.8165, 0.1901, 0.0821



0.2055, 0.2161, 0.0964



# Previews

## White Background



This preview shows how the Yxy color 51.8768, 0.3267, 0.3747 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 51.8768, 0.3267, 0.3747 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

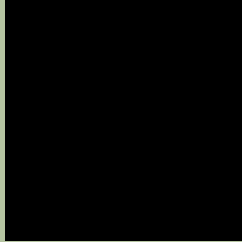
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

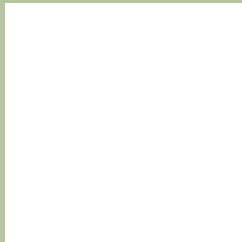
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 51.8768, 0.3267, 0.3747**

## **Background**



This preview shows how black text looks on a background with the Yxy color 51.8768, 0.3267, 0.3747.



This preview shows how white text looks on a background with the Yxy color 51.8768, 0.3267, 0.3747.

# 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

51.8768, 0.3267, 0.3747

### Protanopia

51.7130, 0.3473, 0.3690

### Deuteranopia

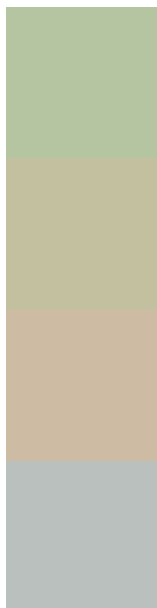
51.4527, 0.3592, 0.3517



## Tritanopia

51.9261, 0.3000, 0.3105

# Trichromacy



## Original Color

51.8768, 0.3267, 0.3747

## Protanomaly

51.6718, 0.3399, 0.3709

## Deuteranomaly

51.5899, 0.3472, 0.3599

## Tritanomaly

51.6877, 0.3093, 0.3328

# Monochromacy



## Original Color

51.8768, 0.3267, 0.3747

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.7902, 0.3177, 0.3457

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 51.8768, 0.3267, 0.3747 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(181, 196, 161)` looks like.

```
.text, #text, p{  
    color:rgb(181, 196, 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(181, 196, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 196, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 51.8768, 0.3267, 0.3747 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(181, 196, 161) }
```

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

```
.border{ border-color:rgb(181, 196, 161) }
```

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

Here you see how a box with a 4 pixel rgb(181, 196, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 196, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 196, 161);  
box-shadow:4px 4px 4px 4px rgb(181, 196,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 51.8768, 0.3267, 0.3747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 196, 161) }
```

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

```
.background{ background-color: rgb(181,  
196, 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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