

# Converting Colors

Yxy(50.4497, 0.3600, 0.4196)

Have a look what the booklet for  
Yxy(50.4497, 0.3600, 0.4196)  
contains.

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# **Color**

**Yxy(50.6036, 0.3601, 0.4197)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC27C
RGB	187, 194, 124
RGB Percent	73%, 76%, 49%
CMY	0.2668, 0.2392, 0.5137
CMYK	0.04, 0.00, 0.36, 0.24
HSL	66°, 36%, 62%
HSV	66°, 36%, 76%
XYZ	43.4176, 50.6036, 26.5497
YIQ	183.9270, 18.2980, -23.2540

# Conversions

## Conversions Part 2

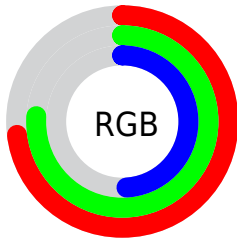
Format	Color
<a href="#">RYB</a>	<a href="#">124, 194, 131</a>
Decimal	<a href="#">12305020</a>
CIELab	<a href="#">76.44, -13.37, 34.43</a>
CIELCh	<a href="#">76, 36.931, 111.217</a>
Yxy	<a href="#">50.6036, 0.3601, 0.4197</a>
Android (android.graphics.Color)	<a href="#">4290495100</a> ( <a href="#">0xFFBBC27C</a> )
YUV	<a href="#">183.9270, -29.5440, 2.6950</a>
Hunter-Lab	<a href="#">71.1362, -15.5419, 27.6669</a>

# Details

The Yxy color  $50.6036, 0.3601, 0.4197$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $23.1426, 0.2541, 0.2234$ , and the grayscale version is  $48.0478, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $90.7786, 0.3528, 0.4032$ , and  $24.2371, 0.3715, 0.4438$  is the 20% darker color. If you saturate the color by 10%, you get  $49.9177, 0.3721, 0.4439$ , and if you desaturate by 10%, it is  $51.3940, 0.3472, 0.3943$ .

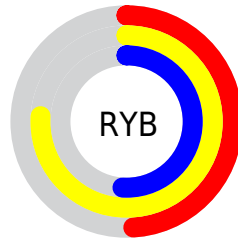
# Distribution



Red (73%)

Green (76%)

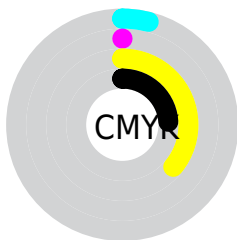
Blue (49%)



Red (49%)

Yellow (76%)

Blue (51%)

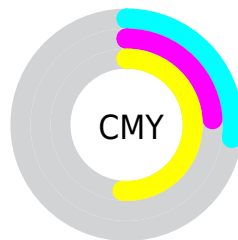


Cyan (4%)

Magenta (0%)

Yellow (36%)

Black (24%)



Cyan (27%)

Magenta (24%)


Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6036, 0.3601, 0.4197 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 50.6036, 0.3601, 0.4197 by changing the saturation by 10% instead.





 50.6036, 0.3601,  
0.4197


 50.6036, 0.3601,  
0.4197

389.0217, 0.3379,  
0.3743


 35.8932, 0.3650,  
0.4309


 91.0686, 0.3525,  
0.4033

 24.3518, 0.3709,  
0.4450


 117.5919, 0.3495,  
0.3971

 15.5948, 0.3780,  
0.4633


 148.8218, 0.3469,  
0.3918

 9.2379, 0.3861,  
0.4878

185.1425, 0.3446,  
0.3873

 4.8966, 0.3950,  
0.5219

226.9384, 0.3426,  
0.3834

 2.1867, 0.4128,  
0.5872

274.5940, 0.3409,

 0.7128, 0.3301,

0.3800

0.6699

328.4937, 0.3393,  
0.3770

0.0000, 0.0000,  
0.0000

50.6036, 0.3601,  
0.4197

50.6036, 0.3601,  
0.4197

49.9177, 0.3721,  
0.4439

51.3940, 0.3472,  
0.3943

49.3237, 0.3825,  
0.4661

52.2873, 0.3339,  
0.3688

48.8176, 0.3910,  
0.4851

53.2906, 0.3206,  
0.3437

48.3924, 0.3971,  
0.5001

54.4085, 0.3077,  
0.3198

48.0397, 0.4006,  
0.5109

55.6453, 0.2954,  
0.2973

 47.7492, 0.4016,  
0.5173

 57.0050, 0.2839,  
0.2764

 47.6441, 0.4017,  
0.5192

 58.1773, 0.2761,  
0.2619

 58.4491, 0.2775,  
0.2622

 58.7244, 0.2788,  
0.2624

# Harmonies

## Analogous

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



50.6036, 0.3981, 0.4015



50.6036, 0.3601, 0.4197



50.6036, 0.3112, 0.4100

# Triad

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



50.6036, 0.3601, 0.4197



50.6036, 0.2215, 0.2788



50.6036, 0.3589, 0.2903

# Complementary

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



50.6036, 0.3601, 0.4197



23.1426, 0.2541, 0.2234

# 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.



50.6036, 0.3078, 0.2627



50.6036, 0.3601, 0.4197



50.6036, 0.2316, 0.2543

# Square

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



50.6036, 0.3601, 0.4197



50.6036, 0.2330, 0.3214



50.6036, 0.2619, 0.2495



50.6036, 0.3988, 0.3272



# Rectangle

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



50.6036, 0.3601, 0.4197



50.6036, 0.2792, 0.3869



50.6036, 0.2619, 0.2495



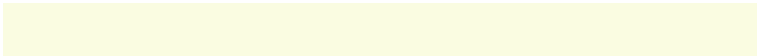
50.6036, 0.3422, 0.2798

# Sweetspot

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



50.6059, 0.3601, 0.4197



95.5828, 0.3274, 0.3564



29.1614, 0.3951, 0.3388



20.8771, 0.3292, 0.3599



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.



50.6059, 0.3601, 0.4197



90.7070, 0.3693, 0.4383



46.7217, 0.3298, 0.4294



11.7052, 0.3250, 0.3519



31.3399, 0.4019, 0.5191



1.3693, 0.4061, 0.5158



# Inverse Universe

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



23.1426, 0.2541, 0.2234



33.9232, 0.2391, 0.1974



26.4211, 0.2878, 0.2327



9.7954, 0.2998, 0.3053



2.6726, 0.1539, 0.0621



0.1322, 0.1668, 0.0692



# Previews

## White Background



This preview shows how the Yxy color 50.6036, 0.3601, 0.4197 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 50.6036, 0.3601, 0.4197 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

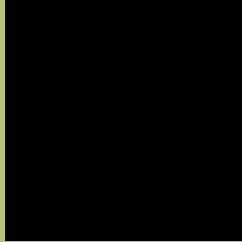
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

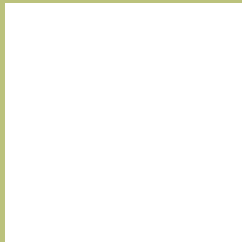
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 50.6036, 0.3601, 0.4197**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.6036, 0.3601, 0.4197.



This preview shows how white text looks on a background with the Yxy color 50.6036, 0.3601, 0.4197.

# 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

50.6036, 0.3601, 0.4197

### Protanopia

50.3507, 0.3804, 0.4104

### Deuteranopia

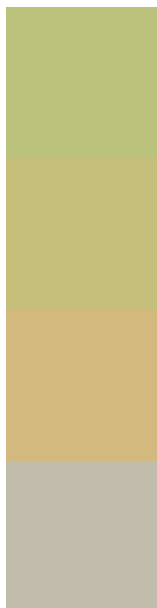
50.3436, 0.3995, 0.3904



## Tritanopia

50.5572, 0.3110, 0.3119

# Trichromacy



## Original Color

50.6036, 0.3601, 0.4197

## Protanomaly

50.2627, 0.3724, 0.4134

## Deuteranomaly

50.2013, 0.3850, 0.4005

## Tritanomaly

50.2825, 0.3295, 0.3493

# Monochromacy



## Original Color

50.6036, 0.3601, 0.4197

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.8894, 0.3305, 0.3630

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6036, 0.3601, 0.4197 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(187, 194, 124)` looks like.

```
.text, #text, p{  
    color:rgb(187, 194, 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(187, 194, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 194, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6036, 0.3601, 0.4197 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(187, 194, 124) }
```

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

```
.border{ border-color:rgb(187, 194, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 194, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 194, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 194, 124);  
box-shadow:4px 4px 4px 4px rgb(187, 194,  
124) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6036, 0.3601, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 194, 124) }
```

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

```
.background{ background-color: rgb(187,  
194, 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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