

# Converting Colors

$Yxy(50.6998, 0.3379, 0.4179)$

Have a look what the booklet for  
Yxy(50.6998, 0.3379, 0.4179)  
contains.

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# Color

**Yxy(50.6002, 0.3384, 0.4183)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AAC684
RGB	170, 198, 132
RGB Percent	67%, 78%, 52%
CMY	0.3333, 0.2235, 0.4824
CMYK	0.14, 0.00, 0.33, 0.22
HSL	85°, 37%, 65%
HSV	85°, 33%, 78%
XYZ	40.9350, 50.6002, 29.4311
YIQ	182.1040, 4.4980, -26.4620

# Conversions

## Conversions Part 2

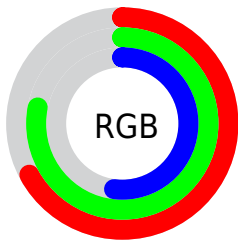
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 198, 160
Decimal	11191940
CIELab	76.44, -20.84, 30.06
CIELCh	76, 36.577, 124.734
Yxy	50.6002, 0.3384, 0.4183
Android (android.graphics.Color)	4289382020 (0xFFAAC684)
YUV	182.1040, -24.7013, -10.6152
Hunter-Lab	71.1338, -21.7638, 25.2629

# Details

The Yxy color **50.6002, 0.3384, 0.4183** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.0469, 0.2789, 0.2375**, and the grayscale version is **46.9740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.2339, 0.3343, 0.4014**, and **24.3376, 0.3433, 0.4437** is the 20% darker color. If you saturate the color by 10%, you get **49.2045, 0.3449, 0.4472**, and if you desaturate by 10%, it is **52.1631, 0.3311, 0.3898**.

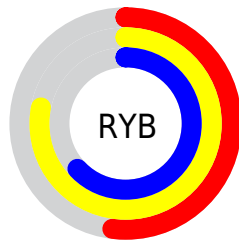
# Distribution



Red (67%)

Green (78%)

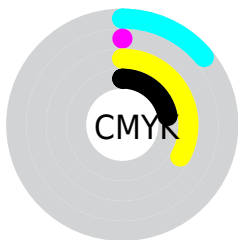
Blue (52%)



Red (52%)

Yellow (78%)

Blue (63%)

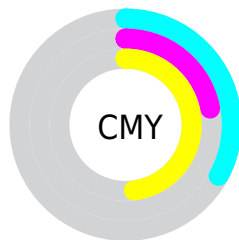


Cyan (14%)

Magenta (0%)

Yellow (33%)

Black (22%)



Cyan (33%)

Magenta (22%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 50.6002, 0.3384, 0.4183 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 50.6002, 0.3384, 0.4183 by changing the saturation by 10% instead.




 50.6002, 0.3384,  
0.4183

 50.6002, 0.3384,  
0.4183


389.0085, 0.3269,  
0.3728

 35.8905, 0.3408,  
0.4298


 91.0635, 0.3346,  
0.4016

 24.3497, 0.3435,  
0.4446


 117.5860, 0.3330,  
0.3954

 15.5932, 0.3465,  
0.4642


 148.8148, 0.3317,  
0.3902

 9.2368, 0.3494,  
0.4914

185.1344, 0.3305,  
0.3857

 4.8959, 0.3510,  
0.5308

226.9292, 0.3294,  
0.3818

 2.1863, 0.3693,  
0.6307

274.5835, 0.3285,

 0.7125, 0.1912,

0.3784

0.8088

328.4818, 0.3277,  
0.3754

0.0000, 0.0000,  
0.0000

50.6002, 0.3384,  
0.4183

50.6002, 0.3384,  
0.4183

49.2045, 0.3449,  
0.4472

52.1631, 0.3311,  
0.3898

47.9623, 0.3501,  
0.4754

53.8929, 0.3233,  
0.3626

46.8683, 0.3535,  
0.5016

55.7978, 0.3153,  
0.3371


45.9141, 0.3547,  
0.5245


57.8838, 0.3075,  
0.3136

45.0902, 0.3536,  
0.5429


60.1560, 0.3000,  
0.2922


 44.3854, 0.3503,  
0.5560

 62.6198, 0.2929,  
0.2729

 43.9695, 0.3472,  
0.5625

 64.2352, 0.2962,  
0.2699

 65.6489, 0.3022,  
0.2709

 67.1303, 0.3084,  
0.2720

# Harmonies

## Analogous

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



50.6002, 0.3825, 0.4118



50.6002, 0.3384, 0.4183



50.6002, 0.2894, 0.3949

# Triad

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



50.6002, 0.3384, 0.4183



50.6002, 0.2242, 0.2659



50.6002, 0.3787, 0.3064

# Complementary

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



50.6002, 0.3384, 0.4183



28.0469, 0.2789, 0.2375

# 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.



50.6002, 0.3309, 0.2741



50.6002, 0.3384, 0.4183



50.6002, 0.2435, 0.2505

# Square

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



50.6002, 0.3384, 0.4183



50.6002, 0.2259, 0.3007



50.6002, 0.2814, 0.2541



50.6002, 0.4080, 0.3451



# Rectangle

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



50.6002, 0.3384, 0.4183



50.6002, 0.2607, 0.3657



50.6002, 0.2814, 0.2541



50.6002, 0.3640, 0.2946

# Sweetspot

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



50.6024, 0.3384, 0.4183



96.4710, 0.3207, 0.3542



38.6375, 0.3777, 0.3654



20.5482, 0.3219, 0.3580



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

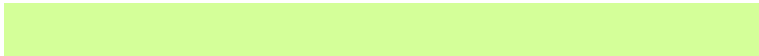


# Same Dimension

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



50.6024, 0.3384, 0.4183



87.7772, 0.3432, 0.4393



47.4157, 0.3122, 0.4260



12.1843, 0.3201, 0.3523



28.6437, 0.3481, 0.5618



1.3983, 0.3627, 0.5502



# Inverse Universe

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



28.0469, 0.2789, 0.2375



41.7742, 0.2695, 0.2154



31.8470, 0.3110, 0.2457



10.5037, 0.3048, 0.3056



3.9251, 0.1894, 0.0817



0.2283, 0.2135, 0.0950



# Previews

## White Background



This preview shows how the Yxy color 50.6002, 0.3384, 0.4183 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

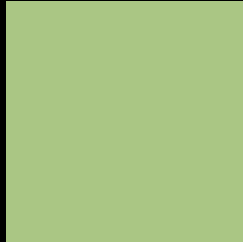
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 50.6002, 0.3384, 0.4183 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

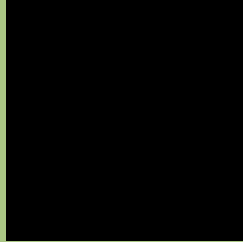
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 50.6002, 0.3384, 0.4183**

## **Background**



This preview shows how black text looks on a background with the Yxy color 50.6002, 0.3384, 0.4183.



This preview shows how white text looks on a background with the Yxy color 50.6002, 0.3384, 0.4183.

# 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

50.6002, 0.3384, 0.4183

### Protanopia

50.3623, 0.3748, 0.4035

### Deuteranopia

50.1081, 0.3891, 0.3808



## Tritanopia

50.4581, 0.2945, 0.3101

# Trichromacy



**Original Color**

50.6002, 0.3384, 0.4183

**Protanomaly**

50.4907, 0.3616, 0.4098

**Deuteranomaly**

50.1273, 0.3696, 0.3938

**Tritanomaly**

50.1437, 0.3102, 0.3473

# Monochromacy



**Original Color**

50.6002, 0.3384, 0.4183

**Achromatopsia**

46.7784, 0.3127, 0.3290

**Achromatomaly**

48.1118, 0.3229, 0.3609

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 50.6002, 0.3384, 0.4183 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(170, 198, 132)` looks like.

```
.text, #text, p{  
    color:rgb(170, 198, 132)  
}
```

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(170, 198, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 198, 132) }
```

## Border

The CSS property to change the border of an element to Yxy 50.6002, 0.3384, 0.4183 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(170, 198, 132) }
```

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

```
.border{ border-color:rgb(170, 198, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 198, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 198, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 198, 132);  
box-shadow:4px 4px 4px 4px rgb(170, 198,  
132) }
```



# Background

The CSS property to change the background color of an element to Yxy 50.6002, 0.3384, 0.4183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 198, 132) }
```

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

```
.background{ background-color: rgb(170,  
198, 132) }
```

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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