

# Converting Colors

Yxy(47.1663, 0.3170, 0.4374)

Have a look what the booklet for  
Yxy(47.1663, 0.3170, 0.4374)  
contains.

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# Color

**Yxy(47.1618, 0.3171, 0.4380)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89C67C
RGB	137, 198, 124
RGB Percent	54%, 78%, 49%
CMY	0.4629, 0.2235, 0.5137
CMYK	0.31, 0.00, 0.37, 0.22
HSL	109°, 39%, 63%
HSV	109°, 37%, 78%
XYZ	34.1439, 47.1618, 26.3697
YIQ	171.3250, -12.6020, -35.9460

# Conversions

## Conversions Part 2

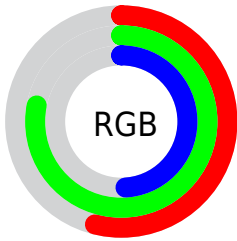
Format	Color
<b>RYB</b>	124, 198, 185
Decimal	9029244
CIELab	74.29, -33.76, 31.01
CIELCh	74, 45.841, 137.428
Yxy	47.1618, 0.3171, 0.4380
Android (android.graphics.Color)	4287219324 (0xFF89C67C)
YUV	171.3250, -23.3312, -30.1030
Hunter-Lab	68.6744, -31.4329, 25.3059

# Details

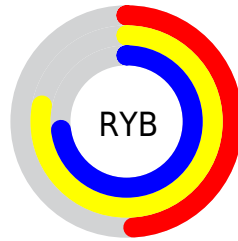
The Yxy color **47.1618, 0.3171, 0.4380** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **28.8110, 0.3036, 0.2338**, and the grayscale version is **41.0180, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.9008, 0.3175, 0.4169**, and **22.3257, 0.3150, 0.4730** is the 20% darker color. If you saturate the color by 10%, you get **45.4353, 0.3172, 0.4719**, and if you desaturate by 10%, it is **49.2019, 0.3164, 0.4053**.

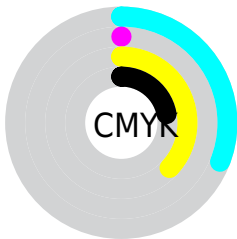
# Distribution



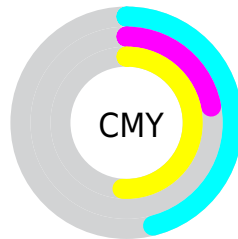
- Red (54%)
- Green (78%)
- Blue (49%)



- Red (49%)
- Yellow (78%)
- Blue (73%)



- Cyan (31%)
- Magenta (0%)
- Yellow (37%)
- Black (22%)




- Cyan (46%)
- Magenta (22%)
- Yellow (51%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.1618, 0.3171, 0.4380 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 47.1618, 0.3171, 0.4380 by changing the saturation by 10% instead.





 47.1618, 0.3171,  
0.4380


 47.1618, 0.3171,  
0.4380


375.4600, 0.3168,  
0.3808


 33.1636, 0.3165,  
0.4530


 85.9551, 0.3175,  
0.4166

 22.2518, 0.3152,  
0.4727


 111.5189, 0.3175,  
0.4088

 14.0420, 0.3127,  
0.4994


 141.7068, 0.3174,  
0.4022

 8.1499, 0.3074,  
0.5375

176.9031, 0.3173,  
0.3966

 4.1910, 0.2961,  
0.5958

217.4921, 0.3172,  
0.3918

 1.7810, 0.2763,  
0.7237

263.8584, 0.3170,

 0.4753, 0.0000,

0.3876

1.0000

316.3862, 0.3169,  
0.3840

0.0000, 0.0000,  
0.0000

47.1618, 0.3171,  
0.4380

47.1618, 0.3171,  
0.4380

45.4353, 0.3172,  
0.4719

49.2019, 0.3164,  
0.4053

44.0008, 0.3165,  
0.5054

51.5637, 0.3153,  
0.3750

42.8436, 0.3150,  
0.5363


54.2628, 0.3139,  
0.3474

41.9451, 0.3126,  
0.5624

57.3117, 0.3123,  
0.3229

41.2845, 0.3094,  
0.5816

60.7225, 0.3106,  
0.3012

 40.8356, 0.3060,  
0.5934

 64.5066, 0.3090,  
0.2823

 40.7454, 0.3053,  
0.5958

 68.1754, 0.3126,  
0.2727

 68.8734, 0.3153,  
0.2732

# Harmonies

## Analogous

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



47.1618, 0.3779, 0.4428



47.1618, 0.3171, 0.4380



47.1618, 0.2582, 0.3919

# Triad

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



47.1618, 0.3171, 0.4380



47.1618, 0.2092, 0.2380



47.1618, 0.4175, 0.3191

# Complementary

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



47.1618, 0.3171, 0.4380



28.8110, 0.3036, 0.2338

# 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.



47.1618, 0.3630, 0.2755



47.1618, 0.3171, 0.4380



47.1618, 0.2428, 0.2302

# Square

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



47.1618, 0.3171, 0.4380



47.1618, 0.2001, 0.2701



47.1618, 0.2977, 0.2440



47.1618, 0.4399, 0.3677

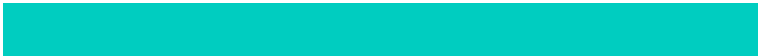


# Rectangle

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



47.1618, 0.3171, 0.4380



47.1618, 0.2279, 0.3481



47.1618, 0.2977, 0.2440



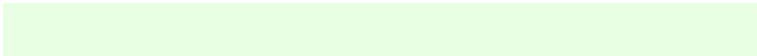
47.1618, 0.4020, 0.3037

# Sweetspot

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



47.1638, 0.3171, 0.4380



94.1965, 0.3144, 0.3575



47.9272, 0.3740, 0.4059



20.0202, 0.3146, 0.3613



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

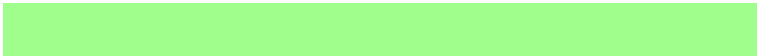


# Same Dimension

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



47.1638, 0.3171, 0.4380



80.9313, 0.3172, 0.4661



46.7983, 0.2924, 0.4047



11.9757, 0.3142, 0.3527



26.5208, 0.3059, 0.5953



1.2840, 0.3190, 0.5850



# Inverse Universe

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



28.8110, 0.3036, 0.2338



43.6932, 0.3007, 0.2130



29.4995, 0.3419, 0.2641



10.7190, 0.3110, 0.3060



7.7695, 0.2773, 0.1301



0.3933, 0.2870, 0.1354



# Previews

## White Background



This preview shows how the Yxy color 47.1618, 0.3171, 0.4380 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

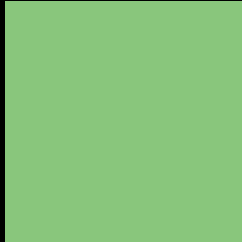
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.1618, 0.3171, 0.4380 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 47.1618, 0.3171, 0.4380**

## Background



This preview shows how black text looks on a background with the Yxy color 47.1618, 0.3171, 0.4380.

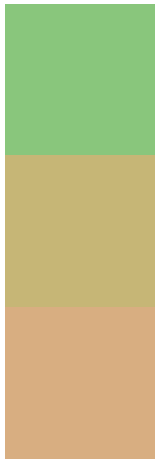


This preview shows how white text looks on a background with the Yxy color 47.1618, 0.3171, 0.4380.

# 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

47.1618, 0.3171, 0.4380

### Protanopia

46.7697, 0.3799, 0.4105

### Deuteranopia

46.4560, 0.3915, 0.3836



## Tritanopia

46.8575, 0.2737, 0.3088

# Trichromacy



## Original Color

47.1618, 0.3171, 0.4380



## Protanomaly

46.5526, 0.3554, 0.4212



## Deuteranomaly

45.9641, 0.3619, 0.4032



## Tritanomaly

46.8663, 0.2899, 0.3543

# Monochromacy



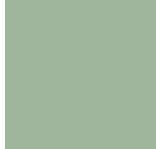
## Original Color

47.1618, 0.3171, 0.4380



## Achromatopsia

40.7240, 0.3127, 0.3290



## Achromatomaly

42.7518, 0.3152, 0.3676

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.1618, 0.3171, 0.4380 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(137, 198, 124)` looks like.

```
.text, #text, p{  
    color:rgb(137, 198, 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(137, 198, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 198, 124) }
```

## Border

The CSS property to change the border of an element to Yxy 47.1618, 0.3171, 0.4380 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(137, 198, 124) }
```

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

```
.border{ border-color:rgb(137, 198, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 198, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 198, 124); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 198, 124); box-shadow:4px 4px 4px 4px rgb(137, 198, 124) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.1618, 0.3171, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 198, 124) }
```

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

```
.background{ background-color: rgb(137,  
198, 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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