

# Converting Colors

Yxy(44.7947, 0.3064, 0.4164)

Have a look what the booklet for  
Yxy(44.7947, 0.3064, 0.4164)  
contains.

<b>Yxy(44.7947, 0.3064, 0.4164)</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(44.7947, 0.3064, 0.4164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84C187
RGB	132, 193, 135
RGB Percent	52%, 76%, 53%
CMY	0.4822, 0.2431, 0.4707
CMYK	0.32, 0.00, 0.30, 0.24
HSL	123°, 33%, 64%
HSV	123°, 32%, 76%
XYZ	32.9613, 44.7947, 29.8201
YIQ	168.1490, -17.7380, -30.9700

# Conversions

## Conversions Part 2

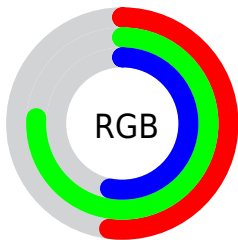
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 190, 193
Decimal	8700295
CIELab	72.76, -31.29, 23.15
CIELCh	73, 38.919, 143.504
Yxy	44.7947, 0.3064, 0.4164
Android (android.graphics.Color)	4286890375 (0xFF84C187)
YUV	168.1490, -16.3425, -31.7027
Hunter-Lab	66.9288, -29.2172, 20.4336

# Details

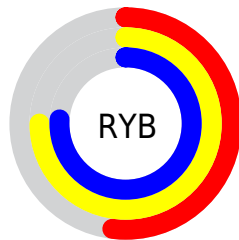
The Yxy color **44.7947, 0.3064, 0.4164** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.5702, 0.3193, 0.2548**, and the grayscale version is **39.3266, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6101, 0.3082, 0.3987**, and **20.8266, 0.3025, 0.4443** is the 20% darker color. If you saturate the color by 10%, you get **42.9079, 0.3043, 0.4498**, and if you desaturate by 10%, it is **47.0624, 0.3085, 0.3854**.

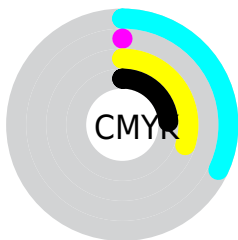
# Distribution



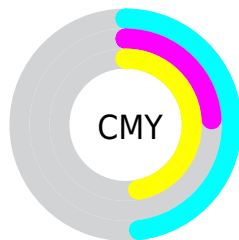
- Red (52%)
- Green (76%)
- Blue (53%)



- Red (52%)
- Yellow (75%)
- Blue (76%)



- Cyan (32%)
- Magenta (0%)
- Yellow (30%)
- Black (24%)



- Cyan (48%)
- Magenta (24%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7947, 0.3064, 0.4164 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 44.7947, 0.3064, 0.4164 by changing the saturation by 10% instead.




 44.7947, 0.3064,  
0.4164


 44.7947, 0.3064,  
0.4164


365.9415, 0.3108,  
0.3703

 31.2957, 0.3049,  
0.4287


 82.4123, 0.3083,  
0.3991

 20.8242, 0.3026,  
0.4449


 107.2996, 0.3089,  
0.3927

 12.9955, 0.2990,  
0.4673


 136.7520, 0.3094,  
0.3874

 7.4255, 0.2930,  
0.4999

171.1536, 0.3098,  
0.3829

 3.7296, 0.2812,  
0.5512

210.8890, 0.3101,  
0.3791

 1.5235, 0.2752,  
0.7248

256.3425, 0.3104,

 0.3052, 0.0000,

0.3758

1.0000

307.8985, 0.3106,  
0.3728

0.0000, 0.0000,  
0.0000

44.7947, 0.3064,  
0.4164

44.7947, 0.3064,  
0.4164

42.9079, 0.3043,  
0.4498

47.0624, 0.3085,  
0.3854

41.3759, 0.3024,  
0.4842

49.7243, 0.3105,  
0.3574

40.1780, 0.3008,  
0.5177


52.7999, 0.3124,  
0.3326

39.2895, 0.2997,  
0.5478


56.3058, 0.3142,  
0.3111


38.6817, 0.2991,  
0.5722

60.2577, 0.3158,  
0.2924

 38.3210, 0.2991,  
0.5890

 64.6705, 0.3172,  
0.2764

 38.1600, 0.2992,  
0.5971

 66.6196, 0.3156,  
0.2683

# Harmonies

## Analogous

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



44.7947, 0.3602, 0.4291



44.7947, 0.3064, 0.4164



44.7947, 0.2569, 0.3720

# Triad

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



44.7947, 0.3064, 0.4164



44.7947, 0.2262, 0.2464



44.7947, 0.4096, 0.3298

# Complementary

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



44.7947, 0.3064, 0.4164



31.5702, 0.3193, 0.2548

# 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.



44.7947, 0.3673, 0.2895



44.7947, 0.3064, 0.4164



44.7947, 0.2604, 0.2431

# Square

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



44.7947, 0.3064, 0.4164



44.7947, 0.2136, 0.2710



44.7947, 0.3113, 0.2588



44.7947, 0.4227, 0.3729



# Rectangle

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



44.7947, 0.3064, 0.4164



44.7947, 0.2326, 0.3345



44.7947, 0.3113, 0.2588



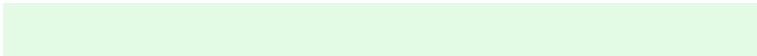
44.7947, 0.3982, 0.3157

# Sweetspot

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



44.7966, 0.3064, 0.4164



90.3354, 0.3110, 0.3510



50.8787, 0.3580, 0.4074



19.2143, 0.3107, 0.3548



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

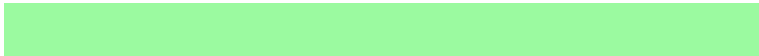


# Same Dimension

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



44.7966, 0.3064, 0.4164



77.7926, 0.3049, 0.4396



45.7483, 0.2863, 0.3706



11.2665, 0.3110, 0.3516



25.3845, 0.2990, 0.5964



1.0996, 0.2954, 0.5833



# Inverse Universe

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



31.5702, 0.3193, 0.2548



50.3400, 0.3209, 0.2388



30.4048, 0.3507, 0.2911



10.2389, 0.3145, 0.3074



9.8377, 0.3332, 0.1609



0.4277, 0.3302, 0.1593



# Previews

## White Background



This preview shows how the Yxy color 44.7947, 0.3064, 0.4164 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 44.7947, 0.3064, 0.4164 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

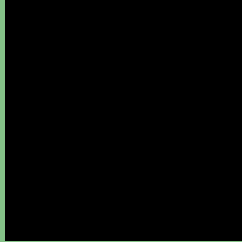
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.7947, 0.3064, 0.4164**

## **Background**



This preview shows how black text looks on a background with the Yxy color 44.7947, 0.3064, 0.4164.



This preview shows how white text looks on a background with the Yxy color 44.7947, 0.3064, 0.4164.

# 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**

44.7947, 0.3064, 0.4164

**Protanopia**

44.4757, 0.3668, 0.3950

**Deuteranopia**

44.4292, 0.3753, 0.3680



## Tritanopia

44.7973, 0.2703, 0.3083

# Trichromacy



**Original Color**

44.7947, 0.3064, 0.4164

**Protanomaly**

44.0517, 0.3430, 0.4017

**Deuteranomaly**

43.7785, 0.3476, 0.3850

**Tritanomaly**

44.6765, 0.2838, 0.3461

# Monochromacy



**Original Color**

44.7947, 0.3064, 0.4164

**Achromatopsia**

39.1572, 0.3127, 0.3290

**Achromatomaly**

40.8131, 0.3104, 0.3595

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7947, 0.3064, 0.4164 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(132, 193, 135)` looks like.

```
.text, #text, p{  
    color:rgb(132, 193, 135)  
}
```

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(132, 193, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 193, 135) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7947, 0.3064, 0.4164 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(132, 193, 135) }
```

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

```
.border{ border-color:rgb(132, 193, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 193, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 193, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 193, 135);  
box-shadow:4px 4px 4px 4px rgb(132, 193,  
135) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7947, 0.3064, 0.4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 193, 135) }
```

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

```
.background{ background-color: rgb(132,  
193, 135) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor