

# Converting Colors

$Yxy(47.2275, 0.3164, 0.3586)$

Have a look what the booklet for  
Yxy(47.2275, 0.3164, 0.3586)  
contains.

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# Color

**Yxy(47.4903, 0.3163, 0.3587)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ACBCA6
RGB	172, 188, 166
RGB Percent	67%, 74%, 65%
CMY	0.3255, 0.2627, 0.3491
CMYK	0.09, 0.00, 0.12, 0.26
HSL	104°, 14%, 69%
HSV	104°, 12%, 74%
XYZ	41.8767, 47.4903, 43.0286
YIQ	180.7080, -2.4740, -10.2340

# Conversions

## Conversions Part 2

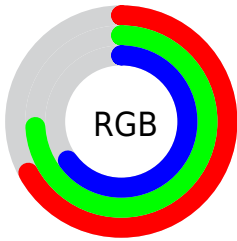
Format	Color
R <sub>YB</sub>	166, 188, 182
Decimal	11320486
CIE Lab	74.50, -9.63, 9.27
CIE LCh	75, 13.368, 136.090
Yxy	47.4903, 0.3163, 0.3587
Android (android.graphics.Color)	4289510566 (0xFFACBCA6)
YUV	180.7080, -7.2510, -7.6369
Hunter-Lab	68.9132, -12.1284, 11.2193

# Details

The Yxy color  $47.4903, 0.3163, 0.3587$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $40.8442, 0.3086, 0.3001$ , and the grayscale version is  $46.0832, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.2527, 0.3155, 0.3530$ , and  $22.5359, 0.3176, 0.3681$  is the 20% darker color. If you saturate the color by 10%, you get  $45.3837, 0.3191, 0.3870$ , and if you desaturate by 10%, it is  $49.8611, 0.3132, 0.3331$ .

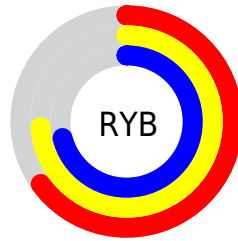
# Distribution



Red (67%)

Green (74%)

Blue (65%)



Red (65%)

Yellow (74%)

Blue (71%)

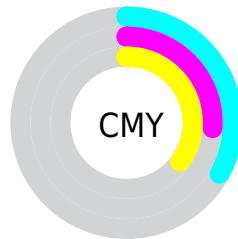


Cyan (9%)

Magenta (0%)

Yellow (12%)

Black (26%)



Cyan (33%)

Magenta (26%)


Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4903, 0.3163, 0.3587 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 47.4903, 0.3163, 0.3587 by changing the saturation by 10% instead.





 47.4903, 0.3163,  
0.3587

 47.4903, 0.3163,  
0.3587


376.7682, 0.3146,  
0.3436

 33.4234, 0.3167,  
0.3625


 86.4450, 0.3157,  
0.3532

 22.4510, 0.3171,  
0.3675


 112.1017, 0.3155,  
0.3511

 14.1887, 0.3177,  
0.3742


142.3903, 0.3153,  
0.3494

 8.2520, 0.3184,  
0.3836

177.6955, 0.3151,  
0.3479

 4.2566, 0.3192,  
0.3981

218.4014, 0.3150,  
0.3466

 1.8181, 0.3199,  
0.4228

264.8926, 0.3149,

 0.4984, 0.3238,

0.3455

0.6762

317.5534, 0.3147,  
0.3445

0.0000, 0.0000,  
0.0000

47.4903, 0.3163,  
0.3587

47.4903, 0.3163,  
0.3587

45.3837, 0.3191,  
0.3870

49.8611, 0.3132,  
0.3331

43.5260, 0.3216,  
0.4176

52.4986, 0.3101,  
0.3103

41.9095, 0.3234,  
0.4498

55.4131, 0.3071,  
0.2900

40.5239, 0.3243,  
0.4824

58.6125, 0.3041,  
0.2722

39.3580, 0.3240,  
0.5139

61.7789, 0.3047,  
0.2611

■ 38.3996, 0.3225,  
0.5421

■ 64.2679, 0.3151,  
0.2632

■ 37.6353, 0.3195,  
0.5651

■ 64.4500, 0.3158,  
0.2634

■ 37.0497, 0.3155,  
0.5815

■ 36.6807, 0.3118,  
0.5906

# Harmonies

## Analogous

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



47.4903, 0.3340, 0.3616



47.4903, 0.3163, 0.3587



47.4903, 0.2980, 0.3470

# Triad

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



47.4903, 0.3163, 0.3587



47.4903, 0.2800, 0.3020



47.4903, 0.3423, 0.3267

# Complementary

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



47.4903, 0.3163, 0.3587



40.8442, 0.3086, 0.3001

# 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.



47.4903, 0.3270, 0.3119



47.4903, 0.3163, 0.3587



47.4903, 0.2912, 0.2978

# Square

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



47.4903, 0.3163, 0.3587



47.4903, 0.2774, 0.3137



47.4903, 0.3083, 0.3015



47.4903, 0.3494, 0.3426



# Rectangle

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



47.4903, 0.3163, 0.3587



47.4903, 0.2879, 0.3361



47.4903, 0.3083, 0.3015



47.4903, 0.3379, 0.3215

# Sweetspot

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



47.4923, 0.3163, 0.3587



89.3039, 0.3140, 0.3389



46.8064, 0.3309, 0.3496



19.1329, 0.3142, 0.3408



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

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



47.4923, 0.3163, 0.3587



85.0592, 0.3170, 0.3656



47.0066, 0.3077, 0.3525



10.7721, 0.3156, 0.3524



25.0038, 0.3125, 0.5900



1.0131, 0.3315, 0.5750



# Inverse Universe

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



40.8442, 0.3086, 0.3001



70.6744, 0.3076, 0.2936



41.3887, 0.3181, 0.3066



9.5619, 0.3095, 0.3061



6.1163, 0.2536, 0.1171



0.2703, 0.2705, 0.1264



# Previews

## White Background



This preview shows how the Yxy color 47.4903, 0.3163, 0.3587 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 47.4903, 0.3163, 0.3587 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

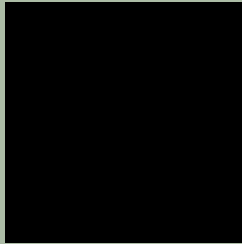
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

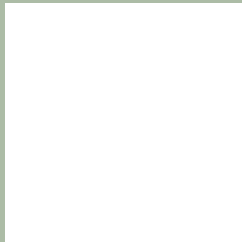
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.4903, 0.3163, 0.3587**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4903, 0.3163, 0.3587.



This preview shows how white text looks on a background with the Yxy color 47.4903, 0.3163, 0.3587.

# 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

47.4903, 0.3163, 0.3587

### Protanopia

47.1766, 0.3360, 0.3537

### Deuteranopia

47.3932, 0.3464, 0.3403



## Tritanopia

47.2913, 0.2963, 0.3097

# Trichromacy



## Original Color

47.4903, 0.3163, 0.3587

## Protanomaly

47.1517, 0.3287, 0.3554

## Deuteranomaly

47.3071, 0.3356, 0.3470

## Tritanomaly

47.3571, 0.3037, 0.3277

# Monochromacy



## Original Color

47.4903, 0.3163, 0.3587

## Achromatopsia

46.2077, 0.3127, 0.3290

## Achromatomaly

46.8805, 0.3139, 0.3396

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4903, 0.3163, 0.3587 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(172, 188, 166)` looks like.

```
.text, #text, p{  
    color:rgb(172, 188, 166)  
}
```

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(172, 188, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 188, 166) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4903, 0.3163, 0.3587 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(172, 188, 166) }
```

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

```
.border{ border-color:rgb(172, 188, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 188, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(172, 188, 166); -webkit-box-shadow:4px 4px 4px 4px rgb(172, 188, 166); box-shadow:4px 4px 4px 4px rgb(172, 188, 166) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4903, 0.3163, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 188, 166) }
```

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

```
.background{ background-color: rgb(172,  
188, 166) }
```

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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