

# Converting Colors

$Yxy(47.2676, 0.3265, 0.3352)$

Have a look what the booklet for  
Yxy(47.2676, 0.3265, 0.3352)  
contains.

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# Color

**Yxy(47.3888, 0.3263, 0.3354)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C0B5B0
RGB	192, 181, 176
RGB Percent	75%, 71%, 69%
CMY	0.2470, 0.2902, 0.3097
CMYK	0.00, 0.06, 0.08, 0.25
HSL	19°, 11%, 72%
HSV	19°, 8%, 75%
XYZ	46.1031, 47.3888, 47.7985
YIQ	183.7190, 8.1610, 0.7770

# Conversions

## Conversions Part 2

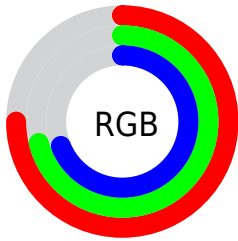
<b>Format</b>	<b>Color</b>
<b>RYB</b>	192, 183, 176
Decimal	12629424
CIELab	74.44, 3.04, 3.93
CIELCh	74, 4.964, 52.261
Yxy	47.3888, 0.3263, 0.3354
Android (android.graphics.Color)	4290819504 (0xFFC0B5B0)
YUV	183.7190, -3.8055, 7.2624
Hunter-Lab	68.8395, -0.9245, 7.0198

# Details

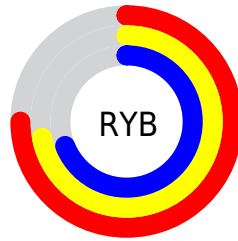
The Yxy color  $47.3888, 0.3263, 0.3354$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $48.5947, 0.3000, 0.3225$ , and the grayscale version is  $47.7903, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.3510, 0.3232, 0.3340$ , and  $22.2969, 0.3291, 0.3360$  is the 20% darker color. If you saturate the color by 10%, you get  $41.5586, 0.3453, 0.3436$ , and if you desaturate by 10%, it is  $53.8411, 0.3102, 0.3278$ .

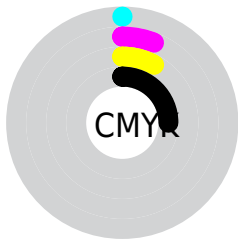
# Distribution



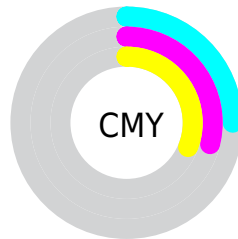
- Red (75%)
- Green (71%)
- Blue (69%)



- Red (75%)
- Yellow (72%)
- Blue (69%)



- Cyan (0%)
- Magenta (6%)
- Yellow (8%)
- Black (25%)



- Cyan (25%)
- Magenta (29%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.3888, 0.3263, 0.3354 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 47.3888, 0.3263, 0.3354 by changing the saturation by 10% instead.



■ 47.3888, 0.3263,  
0.3354

■ 47.3888, 0.3263,  
0.3354

376.3643, 0.3195,  
0.3322

■ 33.3431, 0.3280,  
0.3362

■ 86.2937, 0.3238,  
0.3343

■ 22.3894, 0.3302,  
0.3372

111.9217, 0.3229,  
0.3338

■ 14.1433, 0.3331,  
0.3385

142.1793, 0.3221,  
0.3335

■ 8.2204, 0.3372,  
0.3403

177.4508, 0.3214,  
0.3332

■ 4.2363, 0.3433,  
0.3429

218.1206, 0.3209,  
0.3329

■ 1.8066, 0.3534,  
0.3472

264.5733, 0.3204,

■ 0.4913, 0.4185,

0.3326

0.3800

317.1930, 0.3199,  
0.3324

0.0000, 0.0000,  
0.0000

47.3888, 0.3263,  
0.3354

47.3888, 0.3263,  
0.3354

41.5586, 0.3453,  
0.3436

53.8411, 0.3102,  
0.3278

36.3258, 0.3678,  
0.3520

60.9271, 0.2967,  
0.3207

31.6727, 0.3940,  
0.3606

68.6661, 0.2852,  
0.3143

27.5787, 0.4242,  
0.3686

77.0743, 0.2754,  
0.3084

24.0219, 0.4578,  
0.3753

85.0220, 0.2755,  
0.3205

■ 20.9787, 0.4939,  
0.3795

■ 89.9489, 0.2763,  
0.3289

■ 18.4236, 0.5299,  
0.3802

■ 16.3286, 0.5628,  
0.3763

■ 14.6593, 0.5896,  
0.3681

# Harmonies

## Analogous

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



47.3888, 0.3244, 0.3296



47.3888, 0.3263, 0.3354



47.3888, 0.3245, 0.3396

# Triad

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



47.3888, 0.3263, 0.3354



47.3888, 0.3060, 0.3345



47.3888, 0.3059, 0.3172

# Complementary

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



47.3888, 0.3263, 0.3354



48.5947, 0.3000, 0.3225

# 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.



47.3888, 0.3011, 0.3184



47.3888, 0.3263, 0.3354



47.3888, 0.3011, 0.3283

# Square

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



47.3888, 0.3263, 0.3354



47.3888, 0.3127, 0.3392



47.3888, 0.2993, 0.3224



47.3888, 0.3126, 0.3192



# Rectangle

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



47.3888, 0.3263, 0.3354



47.3888, 0.3214, 0.3409



47.3888, 0.2993, 0.3224



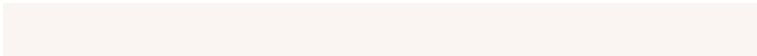
47.3888, 0.3040, 0.3173

# Sweetspot

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



47.3909, 0.3263, 0.3354



91.8864, 0.3175, 0.3313



45.8628, 0.3176, 0.3148



19.5097, 0.3188, 0.3319



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

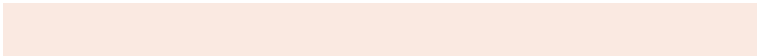


# Same Dimension

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



47.3909, 0.3263, 0.3354



83.8393, 0.3295, 0.3369



50.6612, 0.3253, 0.3452



10.5781, 0.3281, 0.3362



9.8232, 0.5915, 0.3685



0.5499, 0.5468, 0.4041

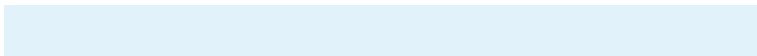


# Inverse Universe

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



48.5947, 0.3000, 0.3225



86.4647, 0.2972, 0.3210



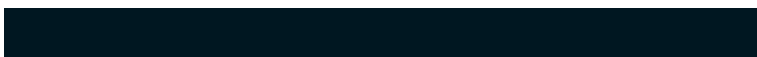
45.3653, 0.3000, 0.3122



10.8822, 0.2984, 0.3217



13.8504, 0.1959, 0.2252



0.7167, 0.2031, 0.2511



# Previews

## White Background



This preview shows how the Yxy color 47.3888, 0.3263, 0.3354 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 47.3888, 0.3263, 0.3354 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

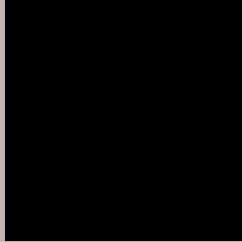
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

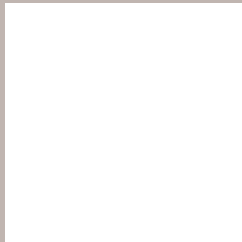
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 47.3888, 0.3263, 0.3354**

## Background



This preview shows how black text looks on a background with the Yxy color 47.3888, 0.3263, 0.3354.



This preview shows how white text looks on a background with the Yxy color 47.3888, 0.3263, 0.3354.

# 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

47.3888, 0.3263, 0.3354

### Protanopia

47.3216, 0.3219, 0.3355

### Deuteranopia

47.3151, 0.3358, 0.3291



## Tritanopia

47.1604, 0.3145, 0.3103

# Trichromacy



## Original Color

47.3888, 0.3263, 0.3354

## Protanomaly

47.4490, 0.3227, 0.3355

## Deuteranomaly

47.1572, 0.3321, 0.3303

## Tritanomaly

47.1655, 0.3184, 0.3189

# Monochromacy



## Original Color

47.3888, 0.3263, 0.3354

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

47.7680, 0.3177, 0.3316

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.3888, 0.3263, 0.3354 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(192, 181, 176)` looks like.

```
.text, #text, p{  
    color:rgb(192, 181, 176)  
}
```

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(192, 181, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 181, 176) }
```

## Border

The CSS property to change the border of an element to Yxy 47.3888, 0.3263, 0.3354 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(192, 181, 176) }
```

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

```
.border{ border-color:rgb(192, 181, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 181, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 181, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 181, 176);  
box-shadow:4px 4px 4px 4px rgb(192, 181,  
176) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.3888, 0.3263, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 181, 176) }
```

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

```
.background{ background-color: rgb(192,  
181, 176) }
```

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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