

# Converting Colors

Yxy(47.5980, 0.3284, 0.3301)



Have a look what the booklet for  
Yxy(47.5980, 0.3284, 0.3301)  
contains.

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# Color

**Yxy(47.7675, 0.3283, 0.3303)**



# Conversions

Conversions Part 1	
Format	Color
Hex	C5B4B3
RGB	197, 180, 179
RGB Percent	77%, 71%, 70%
CMY	0.2276, 0.2941, 0.2980
CMYK	0.00, 0.09, 0.09, 0.23
HSL	3°, 13%, 74%
HSV	3°, 9%, 77%
XYZ	47.4783, 47.7675, 49.3728
YIQ	184.9690, 10.4530, 3.2930



# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">197, 180, 179</a>
Decimal	<a href="#">12956851</a>
CIELab	<a href="#">74.68, 5.87, 2.69</a>
CIELCh	<a href="#">75, 6.457, 24.611</a>
Yxy	<a href="#">47.7675, 0.3283, 0.3303</a>
Android (android.graphics.Color)	<a href="#">4291146931</a> (0xFFC5B4B3)
YUV	<a href="#">184.9690, -2.9427, 10.5512</a>
Hunter-Lab	<a href="#">69.1140, 1.6720, 6.0250</a>



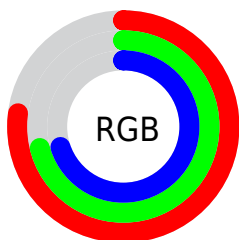
# Details

The Yxy color  $47.7675, 0.3283, 0.3303$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.0798, 0.2988, 0.3277$ , and the grayscale version is  $48.5094, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.0599, 0.3255, 0.3300$ , and  $22.5247, 0.3331, 0.3308$  is the 20% darker color. If you saturate the color by 10%, you get  $40.0153, 0.3493, 0.3318$ , and if you desaturate by 10%, it is  $56.6455, 0.3114, 0.3289$ .



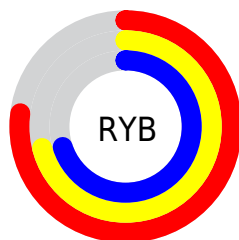
# Distribution



Red (77%)

Green (71%)

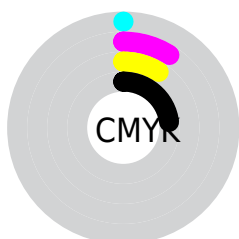
Blue (70%)



Red (77%)

Yellow (71%)

Blue (70%)

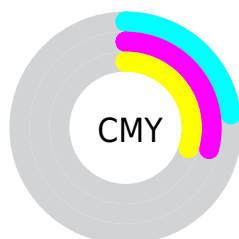


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (23%)



Cyan (23%)

Magenta (29%)

Yellow (30%)




# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7675, 0.3283, 0.3303 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 47.7675, 0.3283, 0.3303 by changing the saturation by 10% instead.





 47.7675, 0.3283,  
0.3303

 47.7675, 0.3283,  
0.3303


377.8698, 0.3205,  
0.3297

 33.6428, 0.3302,  
0.3304


 86.8581, 0.3255,  
0.3301

 22.6193, 0.3327,  
0.3306


112.5929, 0.3244,  
0.3300

 14.3127, 0.3361,  
0.3308


142.9664, 0.3235,  
0.3299

 8.3385, 0.3407,  
0.3311

178.3631, 0.3227,  
0.3299

 4.3123, 0.3477,  
0.3314

219.1674, 0.3221,  
0.3298

 1.8497, 0.3593,  
0.3318

265.7637, 0.3215,


 0.5179, 0.4156,





0.3298


0.3386

318.5364, 0.3210,  
0.3297


 0.0000, 0.0000,  
0.0000


 47.7675, 0.3283,  
0.3303


 47.7675, 0.3283,  
0.3303


 40.0153, 0.3493,  
0.3318


 56.6455, 0.3114,  
0.3289


 33.3378, 0.3753,  
0.3335


 66.6851, 0.2977,  
0.3276


 27.6897, 0.4070,  
0.3350

 77.9284, 0.2865,  
0.3264

 23.0197, 0.4450,  
0.3365

 90.2316, 0.2788,  
0.3283

 19.2721, 0.4884,  
0.3375

 90.6058, 0.2789,  
0.3289



■ 16.3860, 0.5348,  
0.3377

■ 14.2926, 0.5788,  
0.3369

■ 12.9130, 0.6137,  
0.3350

■ 12.1478, 0.6349,  
0.3329



# Harmonies

## Analogous

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



47.7675, 0.3220, 0.3226



47.7675, 0.3283, 0.3303



47.7675, 0.3304, 0.3378



# Triad

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



47.7675, 0.3283, 0.3303



47.7675, 0.3120, 0.3419



47.7675, 0.2980, 0.3150



# Complementary

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



47.7675, 0.3283, 0.3303



53.0798, 0.2988, 0.3277



# 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.



47.7675, 0.2954, 0.3199



47.7675, 0.3283, 0.3303



47.7675, 0.3034, 0.3355



# Square

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



47.7675, 0.3283, 0.3303



47.7675, 0.3208, 0.3446



47.7675, 0.2974, 0.3274



47.7675, 0.3045, 0.3138



# Rectangle

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



47.7675, 0.3283, 0.3303



47.7675, 0.3290, 0.3417



47.7675, 0.2974, 0.3274



47.7675, 0.2966, 0.3162

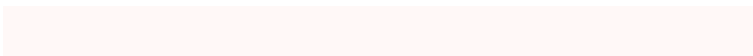


# Sweetspot

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



47.7696, 0.3283, 0.3303



94.9943, 0.3176, 0.3294



48.1006, 0.3145, 0.3080



20.0533, 0.3189, 0.3295



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.



47.7696, 0.3283, 0.3303



82.5725, 0.3323, 0.3306



51.4681, 0.3271, 0.3413



10.7301, 0.3288, 0.3303



8.0050, 0.6354, 0.3337



0.4129, 0.6196, 0.3463





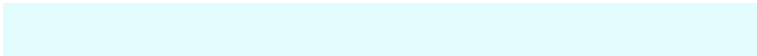


# Inverse Universe

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



53.0798, 0.2988, 0.3277



94.0699, 0.2957, 0.3274



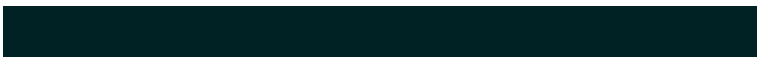
49.1953, 0.2988, 0.3164



11.9624, 0.2984, 0.3277



25.7987, 0.2199, 0.3117



1.2532, 0.2210, 0.3155

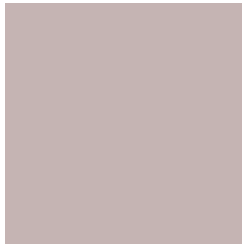






# Previews

## White Background



This preview shows how the Yxy color 47.7675, 0.3283, 0.3303 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

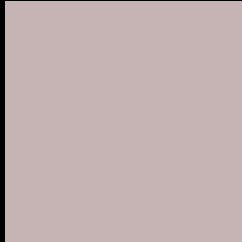
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7675, 0.3283, 0.3303 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

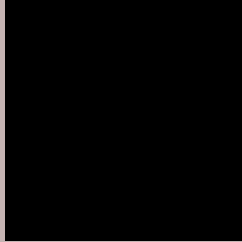
Any Text WCAG AAA ✓ Pass

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



**Yxy 47.7675, 0.3283, 0.3303**

## Background



This preview shows how black text looks on a background with the Yxy color 47.7675, 0.3283, 0.3303.



This preview shows how white text looks on a background with the Yxy color 47.7675, 0.3283, 0.3303.



# 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

47.7675, 0.3283, 0.3303

### Protanopia

47.8945, 0.3186, 0.3316

### Deuteranopia

47.7920, 0.3340, 0.3278





## Tritanopia

47.7887, 0.3196, 0.3118



# Trichromacy



**Original Color**  
47.7675, 0.3283, 0.3303

**Protanomaly**  
47.8276, 0.3220, 0.3316

**Deuteranomaly**  
47.9124, 0.3320, 0.3291

**Tritanomaly**  
47.8338, 0.3227, 0.3191

# Monochromacy



**Original Color**  
47.7675, 0.3283, 0.3303

**Achromatopsia**  
48.5150, 0.3127, 0.3290

**Achromatomaly**  
48.1047, 0.3178, 0.3290



# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7675, 0.3283, 0.3303 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(197, 180, 179) looks like.

```
.text, #text, p{  
    color:rgb(197, 180, 179)  
}
```



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(197, 180, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 180, 179) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7675, 0.3283, 0.3303 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(197, 180, 179) }
```



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

```
.border{ border-color:rgb(197, 180, 179) }
```

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

Here you see how a box with a 4 pixel rgb(197, 180, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(197, 180, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(197, 180, 179);  
box-shadow:4px 4px 4px 4px rgb(197, 180,  
179) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7675, 0.3283, 0.3303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 180, 179) }
```

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

```
.background{ background-color: rgb(197,  
180, 179) }
```

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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