

# Converting Colors

$Yxy(47.7590, 0.3263, 0.3476)$

Have a look what the booklet for  
Yxy(47.7590, 0.3263, 0.3476)  
contains.

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# Color

**Yxy(47.7481, 0.3264, 0.3472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBB8AA
RGB	187, 184, 170
RGB Percent	73%, 72%, 67%
CMY	0.2667, 0.2784, 0.3333
CMYK	0.00, 0.02, 0.09, 0.27
HSL	49°, 11%, 70%
HSV	49°, 9%, 73%
XYZ	44.8876, 47.7481, 44.8876
YIQ	183.3010, 6.2820, -3.7180

# Conversions

## Conversions Part 2

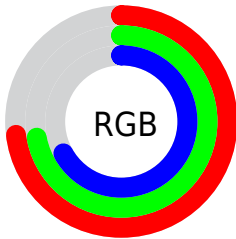
Format	Color
<b>RYB</b>	174, 187, 170
Decimal	12302506
CIELab	74.67, -1.43, 7.47
CIELCh	75, 7.604, 100.820
Yxy	47.7481, 0.3264, 0.3472
Android (android.graphics.Color)	4290492586 (0xFFBBB8AA)
YUV	183.3010, -6.5574, 3.2440
Hunter-Lab	69.1000, -4.9707, 9.8550

# Details

The Yxy color  $47.7481, 0.3264, 0.3472$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $42.0182, 0.2988, 0.3101$ , and the grayscale version is  $47.5622, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $86.8111, 0.3240, 0.3442$ , and  $22.6089, 0.3304, 0.3521$  is the 20% darker color. If you saturate the color by 10%, you get  $45.7458, 0.3424, 0.3680$ , and if you desaturate by 10%, it is  $49.8868, 0.3114, 0.3272$ .

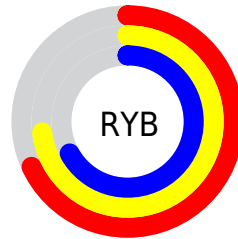
# Distribution



Red (73%)

Green (72%)

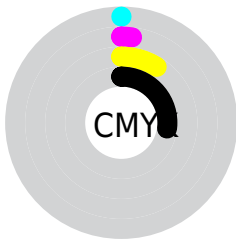
Blue (67%)



Red (68%)

Yellow (73%)

Blue (67%)

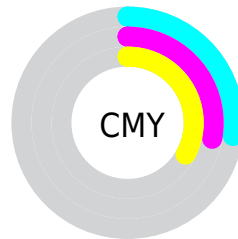


Cyan (0%)

Magenta (2%)

Yellow (9%)

Black (27%)



Cyan (27%)

Magenta (28%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.7481, 0.3264, 0.3472 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 47.7481, 0.3264, 0.3472 by changing the saturation by 10% instead.



■ 47.7481, 0.3264,  
0.3472

■ 47.7481, 0.3264,  
0.3472

377.7928, 0.3196,  
0.3381

■ 33.6274, 0.3281,  
0.3495

■ 86.8292, 0.3239,  
0.3439

■ 22.6075, 0.3302,  
0.3524

112.5585, 0.3230,  
0.3427

■ 14.3040, 0.3331,  
0.3563

142.9261, 0.3222,  
0.3416

■ 8.3324, 0.3371,  
0.3617

178.3164, 0.3216,  
0.3407

■ 4.3084, 0.3430,  
0.3698

219.1138, 0.3210,  
0.3399

■ 1.8475, 0.3526,  
0.3832

265.7028, 0.3205,

■ 0.5165, 0.4503,

0.3392

0.5100

318.4676, 0.3200,  
0.3386

0.0000, 0.0000,  
0.0000

47.7481, 0.3264,  
0.3472

47.7481, 0.3264,  
0.3472

45.7458, 0.3424,  
0.3680

49.8868, 0.3114,  
0.3272

43.8691, 0.3592,  
0.3890

52.1599, 0.2975,  
0.3083

42.1155, 0.3764,  
0.4097

54.5734, 0.2848,  
0.2906

40.4798, 0.3934,  
0.4292

57.1309, 0.2733,  
0.2742

38.9566, 0.4096,  
0.4464

59.2762, 0.2677,  
0.2676

■ 37.5395, 0.4242,  
0.4605

■ 60.8149, 0.2680,  
0.2714

■ 36.2218, 0.4366,  
0.4705

■ 62.3864, 0.2684,  
0.2752

■ 34.9952, 0.4463,  
0.4760

■ 63.9908, 0.2688,  
0.2790

■ 33.8454, 0.4535,  
0.4776

■ 65.6285, 0.2691,  
0.2828

# Harmonies

## Analogous

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



47.7481, 0.3324, 0.3431



47.7481, 0.3264, 0.3472



47.7481, 0.3168, 0.3463

# Triad

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



47.7481, 0.3264, 0.3472



47.7481, 0.2928, 0.3220



47.7481, 0.3191, 0.3179

# Complementary

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



47.7481, 0.3264, 0.3472



42.0182, 0.2988, 0.3101

# 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.



47.7481, 0.3084, 0.3124



47.7481, 0.3264, 0.3472



47.7481, 0.2934, 0.3146

# Square

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



47.7481, 0.3264, 0.3472



47.7481, 0.2974, 0.3316



47.7481, 0.2990, 0.3112



47.7481, 0.3282, 0.3262



# Rectangle

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



47.7481, 0.3264, 0.3472



47.7481, 0.3096, 0.3429



47.7481, 0.2990, 0.3112



47.7481, 0.3156, 0.3157

# Sweetspot

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



47.7502, 0.3264, 0.3472



87.8150, 0.3172, 0.3350



42.3399, 0.3256, 0.3249



19.2699, 0.3184, 0.3366



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.



47.7502, 0.3264, 0.3472



84.7627, 0.3297, 0.3515



48.3342, 0.3214, 0.3513



10.8282, 0.3268, 0.3478



23.3468, 0.4536, 0.4780



0.9905, 0.4441, 0.4856



# Inverse Universe

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



42.0182, 0.2988, 0.3101



72.2947, 0.2954, 0.3054



41.5014, 0.3035, 0.3064



9.4886, 0.2984, 0.3095



3.2892, 0.1548, 0.0773



0.2133, 0.1661, 0.1180



# Previews

## White Background



This preview shows how the Yxy color 47.7481, 0.3264, 0.3472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

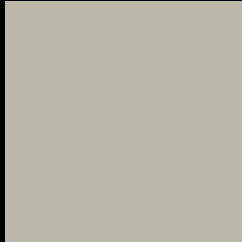
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.7481, 0.3264, 0.3472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

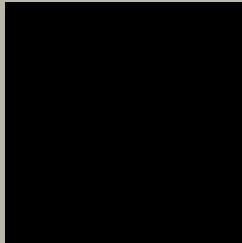
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.7481, 0.3264, 0.3472**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.7481, 0.3264, 0.3472.



This preview shows how white text looks on a background with the Yxy color 47.7481, 0.3264, 0.3472.

# 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

47.7481, 0.3264, 0.3472

### Protanopia

47.6787, 0.3300, 0.3471

### Deuteranopia

47.5064, 0.3437, 0.3365



## Tritanopia

47.6590, 0.3102, 0.3102

# Trichromacy



## Original Color

47.7481, 0.3264, 0.3472

## Protanomaly

47.5504, 0.3291, 0.3472

## Deuteranomaly

47.7249, 0.3368, 0.3404

## Tritanomaly

47.5401, 0.3164, 0.3227

# Monochromacy



## Original Color

47.7481, 0.3264, 0.3472

## Achromatopsia

47.3531, 0.3127, 0.3290

## Achromatomaly

47.2717, 0.3175, 0.3355

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.7481, 0.3264, 0.3472 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(187, 184, 170)` looks like.

```
.text, #text, p{  
    color:rgb(187, 184, 170)  
}
```

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(187, 184, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 184, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 47.7481, 0.3264, 0.3472 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(187, 184, 170) }
```

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

```
.border{ border-color:rgb(187, 184, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 184, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 184, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 184, 170);  
box-shadow:4px 4px 4px 4px rgb(187, 184,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.7481, 0.3264, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 184, 170) }
```

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

```
.background{ background-color: rgb(187,  
184, 170) }
```

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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