

# Converting Colors

$Yxy(48.0727, 0.3275, 0.3421)$

Have a look what the booklet for  
Yxy(48.0727, 0.3275, 0.3421)  
contains.

<b>Yxy(47.9605, 0.3276, 0.3419)</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(47.9605, 0.3276, 0.3419)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFB7AD
RGB	191, 183, 173
RGB Percent	75%, 72%, 68%
CMY	0.2511, 0.2823, 0.3216
CMYK	0.00, 0.04, 0.09, 0.25
HSL	33°, 12%, 71%
HSV	33°, 9%, 75%
XYZ	45.9545, 47.9605, 46.3613
YIQ	184.2520, 7.9780, -1.4140

# Conversions

## Conversions Part 2

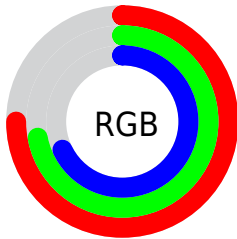
Format	Color
<a href="#">RYB</a>	<a href="#">187, 191, 173</a>
Decimal	<a href="#">12564397</a>
CIELab	<a href="#">74.80, 1.05, 6.09</a>
CIElCh	<a href="#">75, 6.180, 80.173</a>
Yxy	<a href="#">47.9605, 0.3276, 0.3419</a>
Android (android.graphics.Color)	<a href="#">4290754477 (0xFFBFB7AD)</a>
YUV	<a href="#">184.2520, -5.5472, 5.9180</a>
Hunter-Lab	<a href="#">69.2535, -2.7464, 8.7861</a>

# Details

The Yxy color **47.9605, 0.3276, 0.3419** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **45.6634, 0.2983, 0.3158**, and the grayscale version is **48.1056, 0.3127, 0.3290**.

A 20% lighter version of the original color is **87.1086, 0.3249, 0.3401**, and **22.7490, 0.3321, 0.3447** is the 20% darker color. If you saturate the color by 10%, you get **43.8961, 0.3454, 0.3563**, and if you desaturate by 10%, it is **52.3437, 0.3119, 0.3282**.

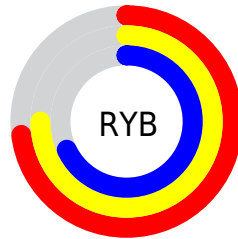
# Distribution



Red (75%)

Green (72%)

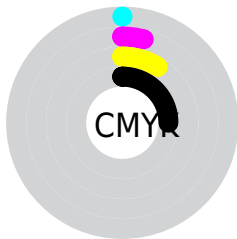
Blue (68%)



Red (73%)

Yellow (75%)

Blue (68%)

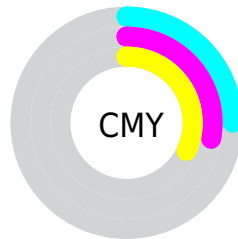


Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (25%)



Cyan (25%)

Magenta (28%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9605, 0.3276, 0.3419 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 47.9605, 0.3276, 0.3419 by changing the saturation by 10% instead.




 47.9605, 0.3276,  
0.3419

 47.9605, 0.3276,  
0.3419


378.6355, 0.3202,  
0.3355

 33.7956, 0.3294,  
0.3435

 87.1456, 0.3249,  
0.3396

 22.7366, 0.3318,  
0.3455


112.9346, 0.3239,  
0.3387

 14.3992, 0.3350,  
0.3482


143.3671, 0.3230,  
0.3380

 8.3988, 0.3394,  
0.3519

178.8274, 0.3223,  
0.3373

 4.3512, 0.3459,  
0.3575

219.7000, 0.3217,  
0.3368

 1.8719, 0.3567,  
0.3664

266.3693, 0.3211,

 0.5314, 0.4369,

0.3363

0.4373

319.2197, 0.3206,  
0.3359

0.0000, 0.0000,  
0.0000

47.9605, 0.3276,  
0.3419

47.9605, 0.3276,  
0.3419

43.8961, 0.3454,  
0.3563

52.3437, 0.3119,  
0.3282

40.1360, 0.3652,  
0.3711

57.0472, 0.2980,  
0.3154

36.6740, 0.3871,  
0.3859

62.0804, 0.2858,  
0.3036

33.5010, 0.4107,  
0.3999

67.4506, 0.2751,  
0.2927

30.6074, 0.4354,  
0.4122

72.2664, 0.2728,  
0.2964

■ 27.9828, 0.4602,  
0.4215

■ 76.9508, 0.2736,  
0.3058

■ 25.6160, 0.4839,  
0.4268

■ 81.8641, 0.2745,  
0.3151

■ 23.4941, 0.5050,  
0.4270

■ 87.0095, 0.2753,  
0.3242

■ 21.5974, 0.5230,  
0.4224

■ 89.8121, 0.2757,  
0.3289

# Harmonies

## Analogous

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



47.9605, 0.3296, 0.3364



47.9605, 0.3276, 0.3419



47.9605, 0.3216, 0.3440

# Triad

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



47.9605, 0.3276, 0.3419



47.9605, 0.2987, 0.3287



47.9605, 0.3120, 0.3166

# Complementary

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



47.9605, 0.3276, 0.3419



45.6634, 0.2983, 0.3158

# 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.



47.9605, 0.3038, 0.3144



47.9605, 0.3276, 0.3419



47.9605, 0.2962, 0.3213

# Square

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



47.9605, 0.3276, 0.3419



47.9605, 0.3049, 0.3363



47.9605, 0.2980, 0.3161



47.9605, 0.3205, 0.3219



# Rectangle

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



47.9605, 0.3276, 0.3419



47.9605, 0.3162, 0.3431



47.9605, 0.2980, 0.3161



47.9605, 0.3091, 0.3154

# Sweetspot

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



47.9626, 0.3276, 0.3419



90.8681, 0.3173, 0.3331



44.2923, 0.3220, 0.3186



19.8127, 0.3186, 0.3342



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.



47.9626, 0.3276, 0.3419



84.6136, 0.3306, 0.3444



51.2198, 0.3258, 0.3519



10.3953, 0.3275, 0.3418



14.2926, 0.5223, 0.4235



0.6883, 0.4913, 0.4481

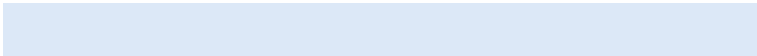


# Inverse Universe

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



45.6634, 0.2983, 0.3158



79.7837, 0.2955, 0.3131



42.6262, 0.2990, 0.3051



9.9009, 0.2984, 0.3159



6.8391, 0.1725, 0.1411



0.3984, 0.1856, 0.1882



# Previews

## White Background



This preview shows how the Yxy color 47.9605, 0.3276, 0.3419 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 47.9605, 0.3276, 0.3419 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

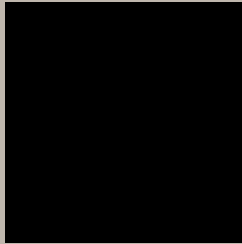
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.9605, 0.3276, 0.3419**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9605, 0.3276, 0.3419.

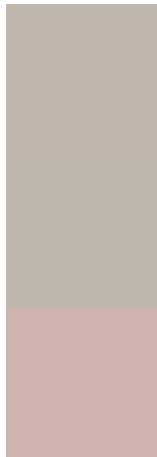


This preview shows how white text looks on a background with the Yxy color 47.9605, 0.3276, 0.3419.

# 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

47.9605, 0.3276, 0.3419

### Protanopia

47.8313, 0.3267, 0.3419

### Deuteranopia

48.0186, 0.3409, 0.3340



## Tritanopia

48.0069, 0.3135, 0.3116

# Trichromacy



## Original Color

47.9605, 0.3276, 0.3419

## Protanomaly

47.8313, 0.3267, 0.3419

## Deuteranomaly

48.1160, 0.3361, 0.3366

## Tritanomaly

47.9304, 0.3190, 0.3227

# Monochromacy



## Original Color

47.9605, 0.3276, 0.3419

## Achromatopsia

47.9320, 0.3127, 0.3290

## Achromatomaly

48.1411, 0.3184, 0.3342

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9605, 0.3276, 0.3419 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(191, 183, 173)` looks like.

```
.text, #text, p{  
    color:rgb(191, 183, 173)  
}
```

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(191, 183, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 183, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9605, 0.3276, 0.3419 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(191, 183, 173) }
```

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

```
.border{ border-color:rgb(191, 183, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 183, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 183, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 183, 173);  
box-shadow:4px 4px 4px 4px rgb(191, 183,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9605, 0.3276, 0.3419 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 183, 173) }
```

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

```
.background{ background-color: rgb(191,  
183, 173) }
```

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