

# Converting Colors

$Yxy(47.9839, 0.3787, 0.3626)$

Have a look what the booklet for  
Yxy(47.9839, 0.3787, 0.3626)  
contains.

<b>Yxy(47.9822, 0.3787, 0.3626)</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(47.9822, 0.3787, 0.3626)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DCAF93
RGB	220, 175, 147
RGB Percent	86%, 69%, 58%
CMY	0.1373, 0.3137, 0.4234
CMYK	0.00, 0.20, 0.33, 0.14
HSL	23°, 51%, 72%
HSV	23°, 33%, 86%
XYZ	50.1127, 47.9822, 34.2333
YIQ	185.2630, 35.8080, 0.8320

# Conversions

## Conversions Part 2

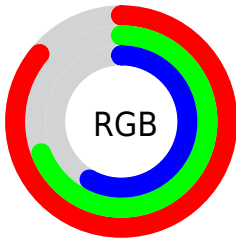
Format	Color
R <sub>Y</sub> B	220, 192, 147
Decimal	14462867
CIE Lab	74.81, 12.49, 20.58
CIE LCh	75, 24.074, 58.742
Yxy	47.9822, 0.3787, 0.3626
Android (android.graphics.Color)	4292652947 (0xFFDCAF93)
YUV	185.2630, -18.8637, 30.4643
Hunter-Lab	69.2692, 7.9145, 19.1869

# Details

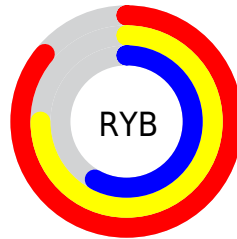
The Yxy color **47.9822, 0.3787, 0.3626** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **49.0796, 0.2611, 0.2926**, and the grayscale version is **48.7639, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6289, 0.3494, 0.3593**, and **22.9030, 0.3978, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **42.3405, 0.4055, 0.3729**, and if you desaturate by 10%, it is **54.2909, 0.3552, 0.3520**.

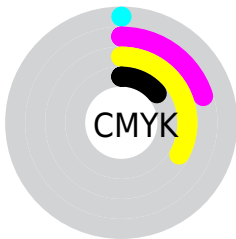
# Distribution



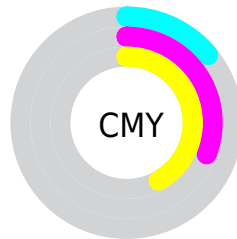
- Red (86%)
- Green (69%)
- Blue (58%)



- Red (86%)
- Yellow (75%)
- Blue (58%)



- Cyan (0%)
- Magenta (20%)
- Yellow (33%)
- Black (14%)




- Cyan (14%)
- Magenta (31%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.9822, 0.3787, 0.3626 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 47.9822, 0.3787, 0.3626 by changing the saturation by 10% instead.





 47.9822, 0.3787,  
0.3626


 47.9822, 0.3787,  
0.3626


378.7216, 0.3457,  
0.3467

 33.8128, 0.3869,  
0.3662


 87.1779, 0.3667,  
0.3571

 22.7498, 0.3974,  
0.3707


 112.9730, 0.3622,  
0.3549

 14.4089, 0.4111,  
0.3762


143.4121, 0.3584,  
0.3531

 8.4056, 0.4301,  
0.3831

178.8796, 0.3551,  
0.3515

 4.3556, 0.4573,  
0.3916

219.7599, 0.3523,  
0.3501

 1.8744, 0.5123,  
0.4116

266.4374, 0.3498,

 0.5329, 0.6036,

0.3488

0.3964

319.2965, 0.3476,  
0.3477

0.0000, 0.0000,  
0.0000

47.9822, 0.3787,  
0.3626

47.9822, 0.3787,  
0.3626

42.3405, 0.4055,  
0.3729

54.2909, 0.3552,  
0.3520

37.3360, 0.4355,  
0.3823

61.2817, 0.3350,  
0.3417

32.9462, 0.4678,  
0.3895

68.9778, 0.3177,  
0.3320

29.1447, 0.5011,  
0.3935

77.3988, 0.3029,  
0.3229

25.9026, 0.5328,  
0.3929

86.4330, 0.2913,  
0.3165

■ 23.1875, 0.5603,  
0.3870

■ 93.9554, 0.2917,  
0.3289

■ 21.6111, 0.5762,  
0.3807

# Harmonies

## Analogous

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



47.9822, 0.3737, 0.3359



47.9822, 0.3787, 0.3626



47.9822, 0.3650, 0.3825

# Triad

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



47.9822, 0.3787, 0.3626



47.9822, 0.2744, 0.3492



47.9822, 0.2859, 0.2756

# Complementary

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



47.9822, 0.3787, 0.3626



49.0796, 0.2611, 0.2926

# 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.



47.9822, 0.2616, 0.2763



47.9822, 0.3787, 0.3626



47.9822, 0.2552, 0.3171

# Square

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



47.9822, 0.3787, 0.3626



47.9822, 0.3042, 0.3764



47.9822, 0.2507, 0.2907



47.9822, 0.3186, 0.2874



# Rectangle

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



47.9822, 0.3787, 0.3626



47.9822, 0.3478, 0.3884



47.9822, 0.2507, 0.2907



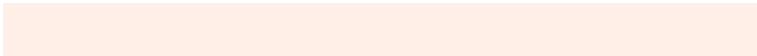
47.9822, 0.2765, 0.2744

# Sweetspot

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



47.9844, 0.3787, 0.3626



88.8407, 0.3294, 0.3387



39.8972, 0.3427, 0.2764



18.6974, 0.3319, 0.3401



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.



47.9844, 0.3787, 0.3626



61.3074, 0.3976, 0.3701



64.1525, 0.3654, 0.4028



13.8659, 0.3282, 0.3380



12.8834, 0.5735, 0.3828



0.9983, 0.5431, 0.4070

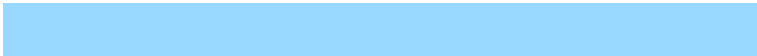


# Inverse Universe

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



49.0796, 0.2611, 0.2926



63.0478, 0.2503, 0.2832



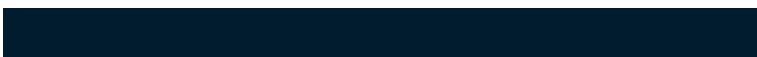
34.9946, 0.2548, 0.2425



13.9473, 0.2982, 0.3198



13.5300, 0.1886, 0.1989



1.0413, 0.1951, 0.2224



# Previews

## White Background



This preview shows how the Yxy color 47.9822, 0.3787, 0.3626 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

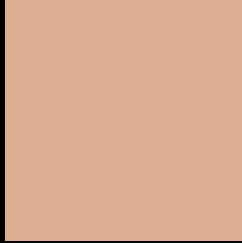
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.9822, 0.3787, 0.3626 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

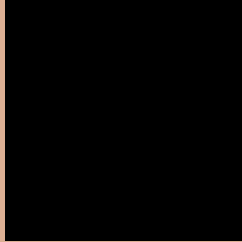
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.9822, 0.3787, 0.3626**

## **Background**



This preview shows how black text looks on a background with the Yxy color 47.9822, 0.3787, 0.3626.



This preview shows how white text looks on a background with the Yxy color 47.9822, 0.3787, 0.3626.

# 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

47.9822, 0.3787, 0.3626

### Protanopia

48.1174, 0.3492, 0.3715

### Deuteranopia

47.9979, 0.3733, 0.3656



## Tritanopia

48.0156, 0.3509, 0.3140

# Trichromacy



## Original Color

47.9822, 0.3787, 0.3626

## Protanomaly

48.0871, 0.3591, 0.3680

## Deuteranomaly

47.9090, 0.3755, 0.3642

## Tritanomaly

48.0953, 0.3614, 0.3315

# Monochromacy



## Original Color

47.9822, 0.3787, 0.3626

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

47.9938, 0.3358, 0.3417

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.9822, 0.3787, 0.3626 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(220, 175, 147)` looks like.

```
.text, #text, p{  
    color:rgb(220, 175, 147)  
}
```

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(220, 175, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 175, 147) }
```

## Border

The CSS property to change the border of an element to Yxy 47.9822, 0.3787, 0.3626 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(220, 175, 147) }
```

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

```
.border{ border-color:rgb(220, 175, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 175, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(220, 175, 147); -webkit-box-shadow:4px 4px 4px 4px rgb(220, 175, 147); box-shadow:4px 4px 4px 4px rgb(220, 175, 147) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.9822, 0.3787, 0.3626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 175, 147) }
```

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

```
.background{ background-color: rgb(220,  
175, 147) }
```

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