

# Converting Colors

$Yxy(47.7665, 0.3132, 0.4000)$

Have a look what the booklet for  
Yxy(47.7665, 0.3132, 0.4000)  
contains.

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# Color

**Yxy(47.5896, 0.3125, 0.3990)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96C392
RGB	150, 195, 146
RGB Percent	59%, 76%, 57%
CMY	0.4120, 0.2352, 0.4275
CMYK	0.23, 0.00, 0.25, 0.24
HSL	115°, 29%, 67%
HSV	115°, 25%, 76%
XYZ	37.2726, 47.5896, 34.4100
YIQ	175.9590, -11.0910, -24.7790

# Conversions

## Conversions Part 2

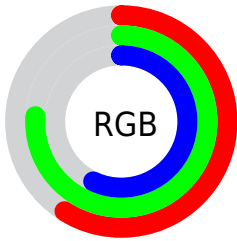
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 195, 191
Decimal	9880466
CIELab	74.57, -24.39, 19.92
CIELCh	75, 31.490, 140.765
Yxy	47.5896, 0.3125, 0.3990
Android (android.graphics.Color)	4288070546 (0xFF96C392)
YUV	175.9590, -14.7698, -22.7660
Hunter-Lab	68.9852, -24.2810, 18.7156

# Details

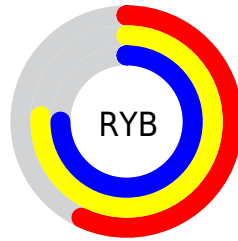
The Yxy color **47.5896, 0.3125, 0.3990** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.5795, 0.3118, 0.2665**, and the grayscale version is **43.4714, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.7701, 0.3131, 0.3859**, and **22.4726, 0.3114, 0.4209** is the 20% darker color. If you saturate the color by 10%, you get **45.4637, 0.3120, 0.4320**, and if you desaturate by 10%, it is **50.0833, 0.3127, 0.3687**.

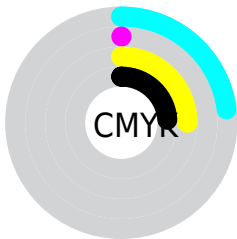
# Distribution



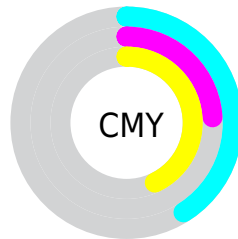
- Red (59%)
- Green (76%)
- Blue (57%)



- Red (57%)
- Yellow (76%)
- Blue (75%)



- Cyan (23%)
- Magenta (0%)
- Yellow (25%)
- Black (24%)




- Cyan (41%)
- Magenta (24%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.5896, 0.3125, 0.3990 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 47.5896, 0.3125, 0.3990 by changing the saturation by 10% instead.





 47.5896, 0.3125,  
0.3990

 47.5896, 0.3125,  
0.3990


377.1631, 0.3134,  
0.3627

 33.5020, 0.3120,  
0.4084


 86.5930, 0.3130,  
0.3855

 22.5113, 0.3112,  
0.4208


 112.2777, 0.3131,  
0.3806

 14.2331, 0.3099,  
0.4376


142.5968, 0.3132,  
0.3764

 8.2829, 0.3074,  
0.4617

177.9347, 0.3133,  
0.3728

 4.2765, 0.3022,  
0.4990

218.6760, 0.3133,  
0.3698

 1.8294, 0.3003,  
0.5838

265.2048, 0.3133,

 0.5054, 0.0000,

0.3671

1.0000

317.9057, 0.3134,  
0.3648

0.0000, 0.0000,  
0.0000

47.5896, 0.3125,  
0.3990

47.5896, 0.3125,  
0.3990

45.4637, 0.3120,  
0.4320

50.0833, 0.3127,  
0.3687

43.6824, 0.3111,  
0.4667

52.9545, 0.3128,  
0.3417

42.2294, 0.3099,  
0.5014

56.2204, 0.3126,  
0.3178

41.0845, 0.3083,  
0.5339

59.8951, 0.3124,  
0.2970

40.2254, 0.3064,  
0.5616

63.9919, 0.3121,  
0.2790

■ 39.6267, 0.3043,  
0.5823

■ 67.5179, 0.3155,  
0.2703

■ 39.2584, 0.3023,  
0.5947

■ 39.1457, 0.3017,  
0.5987

# Harmonies

## Analogous

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



47.5896, 0.3552, 0.4077



47.5896, 0.3125, 0.3990



47.5896, 0.2717, 0.3666

# Triad

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



47.5896, 0.3125, 0.3990



47.5896, 0.2411, 0.2638



47.5896, 0.3871, 0.3275

# Complementary

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



47.5896, 0.3125, 0.3990



35.5795, 0.3118, 0.2665

# 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.



47.5896, 0.3524, 0.2946



47.5896, 0.3125, 0.3990



47.5896, 0.2678, 0.2589

# Square

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



47.5896, 0.3125, 0.3990



47.5896, 0.2324, 0.2861



47.5896, 0.3080, 0.2702



47.5896, 0.4002, 0.3626



# Rectangle

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



47.5896, 0.3125, 0.3990



47.5896, 0.2508, 0.3380



47.5896, 0.3080, 0.2702



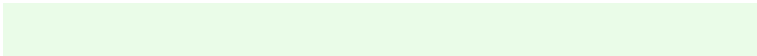
47.5896, 0.3775, 0.3159

# Sweetspot

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



47.5916, 0.3125, 0.3990



93.2171, 0.3128, 0.3494



50.9111, 0.3514, 0.3863



20.2381, 0.3128, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

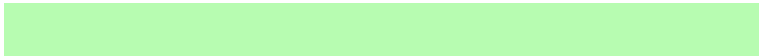


# Same Dimension

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



47.5916, 0.3125, 0.3990



83.1126, 0.3123, 0.4163



47.9164, 0.2952, 0.3694



11.2968, 0.3128, 0.3527



25.4528, 0.3021, 0.5984



1.1133, 0.3095, 0.5925



# Inverse Universe

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



35.5795, 0.3118, 0.2665



58.0430, 0.3114, 0.2530



35.2377, 0.3353, 0.2919



10.2049, 0.3125, 0.3062



8.8278, 0.3009, 0.1431



0.3939, 0.3057, 0.1458



# Previews

## White Background



This preview shows how the Yxy color 47.5896, 0.3125, 0.3990 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 47.5896, 0.3125, 0.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

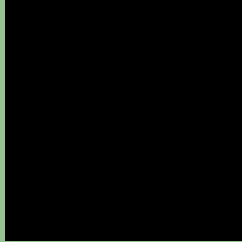
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.5896, 0.3125, 0.3990**

## Background



This preview shows how black text looks on a background with the Yxy color 47.5896, 0.3125, 0.3990.



This preview shows how white text looks on a background with the Yxy color 47.5896, 0.3125, 0.3990.

# 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

47.5896, 0.3125, 0.3990

### Protanopia

47.3625, 0.3587, 0.3846

### Deuteranopia

47.2497, 0.3682, 0.3611



## Tritanopia

47.7518, 0.2801, 0.3092

# Trichromacy



## Original Color

47.5896, 0.3125, 0.3990

## Protanomaly

47.0773, 0.3413, 0.3896

## Deuteranomaly

46.8557, 0.3457, 0.3737

## Tritanomaly

47.7069, 0.2917, 0.3412

# Monochromacy



## Original Color

47.5896, 0.3125, 0.3990

## Achromatopsia

43.4154, 0.3127, 0.3290

## Achromatomaly

44.7991, 0.3132, 0.3538

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.5896, 0.3125, 0.3990 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(150, 195, 146)` looks like.

```
.text, #text, p{  
    color:rgb(150, 195, 146)  
}
```

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(150, 195, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 195, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 47.5896, 0.3125, 0.3990 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(150, 195, 146) }
```

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

```
.border{ border-color:rgb(150, 195, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 195, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 195, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 195, 146);  
box-shadow:4px 4px 4px 4px rgb(150, 195,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.5896, 0.3125, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 195, 146) }
```

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

```
.background{ background-color: rgb(150,  
195, 146) }
```

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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