

# Converting Colors

$Yxy(47.5401, 0.3107, 0.3989)$

Have a look what the booklet for  
Yxy(47.5401, 0.3107, 0.3989)  
contains.

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# Color

**Yxy(47.4014, 0.3110, 0.3993)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	94C392
RGB	148, 195, 146
RGB Percent	58%, 76%, 57%
CMY	0.4195, 0.2353, 0.4275
CMYK	0.24, 0.00, 0.25, 0.24
HSL	117°, 29%, 67%
HSV	117°, 25%, 76%
XYZ	36.9192, 47.4014, 34.3906
YIQ	175.3610, -12.2830, -25.2030

# Conversions

## Conversions Part 2

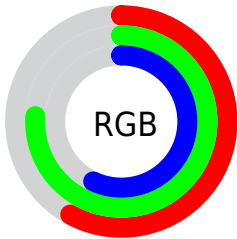
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">146, 195, 193</a>
Decimal	<a href="#">9749394</a>
CIELab	<a href="#">74.45, -25.04, 19.74</a>
CIElCh	<a href="#">74, 31.880, 141.750</a>
Yxy	<a href="#">47.4014, 0.3110, 0.3993</a>
Android (android.graphics.Color)	<a href="#">4287939474 (0xFF94C392)</a>
YUV	<a href="#">175.3610, -14.4750, -23.9956</a>
Hunter-Lab	<a href="#">68.8487, -24.7669, 18.5781</a>

# Details

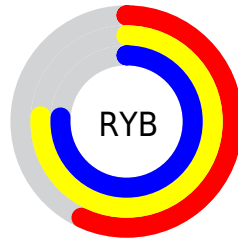
The Yxy color **47.4014, 0.3110, 0.3993** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8242, 0.3136, 0.2668**, and the grayscale version is **43.1511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.4874, 0.3119, 0.3861**, and **22.3628, 0.3094, 0.4215** is the 20% darker color. If you saturate the color by 10%, you get **45.2429, 0.3100, 0.4326**, and if you desaturate by 10%, it is **49.9487, 0.3118, 0.3688**.

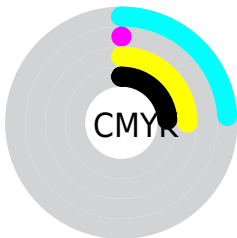
# Distribution



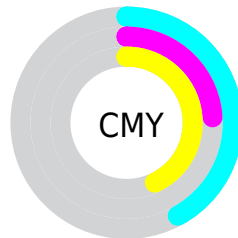
- Red (58%)
- Green (76%)
- Blue (57%)



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



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




- Cyan (42%)
- Magenta (24%)
- Yellow (43%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4014, 0.3110, 0.3993 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 47.4014, 0.3110, 0.3993 by changing the saturation by 10% instead.





 47.4014, 0.3110,  
0.3993

 47.4014, 0.3110,  
0.3993


376.4145, 0.3126,  
0.3628

 33.3531, 0.3103,  
0.4088


 86.3125, 0.3118,  
0.3857

 22.3971, 0.3093,  
0.4213


 111.9440, 0.3120,  
0.3807

 14.1490, 0.3076,  
0.4382


142.2055, 0.3122,  
0.3766

 8.2243, 0.3046,  
0.4626

177.4812, 0.3123,  
0.3730

 4.2388, 0.2987,  
0.5004

218.1555, 0.3124,  
0.3699

 1.8080, 0.2957,  
0.5870

264.6129, 0.3125,

 0.4922, 0.0000,

0.3672

1.0000

317.2378, 0.3126,  
0.3649

0.0000, 0.0000,  
0.0000

47.4014, 0.3110,  
0.3993

47.4014, 0.3110,  
0.3993

45.2429, 0.3100,  
0.4326

49.9487, 0.3118,  
0.3688

43.4485, 0.3087,  
0.4676

52.8963, 0.3125,  
0.3417

41.9998, 0.3072,  
0.5027

56.2624, 0.3129,  
0.3178

40.8747, 0.3056,  
0.5355

60.0627, 0.3133,  
0.2971

40.0482, 0.3040,  
0.5633

64.3117, 0.3135,  
0.2793

■ 39.4920, 0.3024,  
0.5837

■ 67.5097, 0.3155,  
0.2703

■ 39.1718, 0.3011,  
0.5956

■ 39.0823, 0.3008,  
0.5993

# Harmonies

## Analogous

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



47.4014, 0.3544, 0.4089



47.4014, 0.3110, 0.3993



47.4014, 0.2699, 0.3658

# Triad

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



47.4014, 0.3110, 0.3993



47.4014, 0.2408, 0.2625



47.4014, 0.3890, 0.3286

# Complementary

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



47.4014, 0.3110, 0.3993



35.8242, 0.3136, 0.2668

# 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.



47.4014, 0.3543, 0.2952



47.4014, 0.3110, 0.3993



47.4014, 0.2683, 0.2581

# Square

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



47.4014, 0.3110, 0.3993



47.4014, 0.2314, 0.2845



47.4014, 0.3094, 0.2701



47.4014, 0.4014, 0.3641



# Rectangle

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



47.4014, 0.3110, 0.3993



47.4014, 0.2491, 0.3366



47.4014, 0.3094, 0.2701



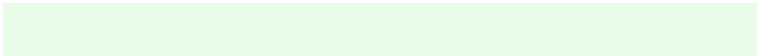
47.4014, 0.3794, 0.3169

# Sweetspot

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



47.4034, 0.3110, 0.3993



93.0845, 0.3123, 0.3494



51.6173, 0.3509, 0.3882



20.2043, 0.3122, 0.3535



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

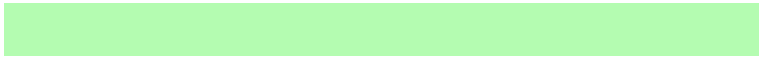


# Same Dimension

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



47.4034, 0.3110, 0.3993



82.7554, 0.3105, 0.4167



47.9680, 0.2941, 0.3670



11.2784, 0.3122, 0.3527



25.4109, 0.3011, 0.5992



1.1050, 0.3050, 0.5961



# Inverse Universe

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



35.8242, 0.3136, 0.2668



58.5811, 0.3137, 0.2536



35.1699, 0.3370, 0.2939



10.2254, 0.3131, 0.3063



9.4250, 0.3106, 0.1485

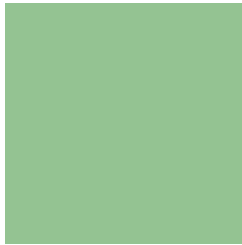


0.4140, 0.3131, 0.1498



# Previews

## White Background



This preview shows how the Yxy color 47.4014, 0.3110, 0.3993 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 47.4014, 0.3110, 0.3993 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

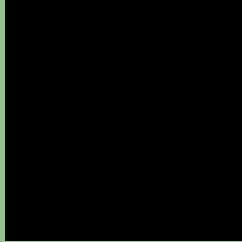
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.4014, 0.3110, 0.3993**

## Background



This preview shows how black text looks on a background with the Yxy color 47.4014, 0.3110, 0.3993.

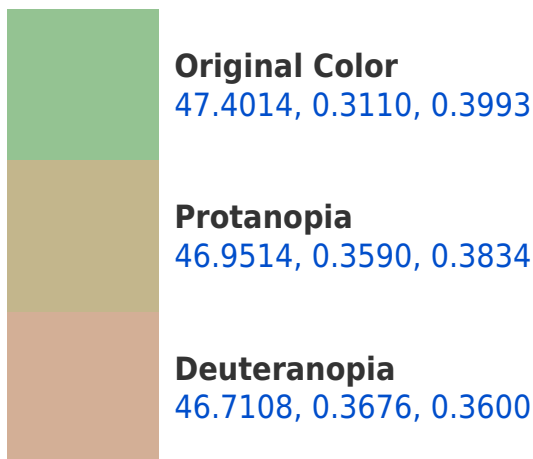


This preview shows how white text looks on a background with the Yxy color 47.4014, 0.3110, 0.3993.

# 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





## Tritanopia

47.5473, 0.2786, 0.3091

# Trichromacy



## Original Color

47.4014, 0.3110, 0.3993

## Protanomaly

46.9586, 0.3405, 0.3898

## Deuteranomaly

46.3172, 0.3450, 0.3726

## Tritanomaly

47.5090, 0.2902, 0.3413

# Monochromacy



## Original Color

47.4014, 0.3110, 0.3993

## Achromatopsia

42.8690, 0.3127, 0.3290

## Achromatomaly

44.1356, 0.3124, 0.3540

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.4014, 0.3110, 0.3993 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(148, 195, 146)` looks like.

```
.text, #text, p{  
    color:rgb(148, 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(148, 195, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 195, 146) }
```

## Border

The CSS property to change the border of an element to Yxy 47.4014, 0.3110, 0.3993 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(148, 195, 146) }
```

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

```
.border{ border-color:rgb(148, 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(148, 195, 146) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 195, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 195, 146);  
box-shadow:4px 4px 4px 4px rgb(148, 195,  
146) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.4014, 0.3110, 0.3993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 195, 146) }
```

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

```
.background{ background-color: rgb(148,  
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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