

# Converting Colors

$Yxy(44.8015, 0.2968, 0.3930)$

Have a look what the booklet for  
Yxy(44.8015, 0.2968, 0.3930)  
contains.

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# Color

**Yxy(44.7747, 0.2968, 0.3932)**

# Conversions

## Conversions Part 1

Format	Color
Hex	84C095
RGB	132, 192, 149
RGB Percent	52%, 75%, 58%
CMY	0.4821, 0.2471, 0.4156
CMYK	0.31, 0.00, 0.22, 0.25
HSL	137°, 32%, 64%
HSV	137°, 31%, 75%
XYZ	33.7974, 44.7747, 35.3005
YIQ	169.1580, -21.9570, -26.0930

# Conversions

## Conversions Part 2

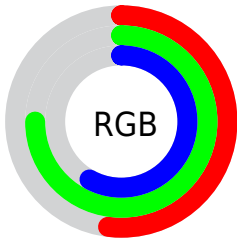
<b>Format</b>	<b>Color</b>
<b>RYB</b>	132, 179, 192
Decimal	8700053
CIELab	72.74, -28.28, 15.61
CIELCh	73, 32.307, 151.105
Yxy	44.7747, 0.2968, 0.3932
Android (android.graphics.Color)	4286890133 (0xFF84C095)
YUV	169.1580, -9.9379, -32.5876
Hunter-Lab	66.9139, -26.9412, 15.5612

# Details

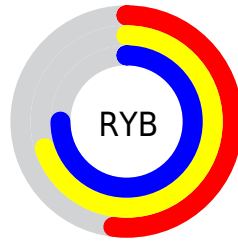
The Yxy color **44.7747, 0.2968, 0.3932** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **30.8198, 0.3337, 0.2725**, and the grayscale version is **39.8236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.6280, 0.3005, 0.3811**, and **20.7643, 0.2911, 0.4140** is the 20% darker color. If you saturate the color by 10%, you get **42.9536, 0.2924, 0.4182**, and if you desaturate by 10%, it is **46.9364, 0.3017, 0.3702**.

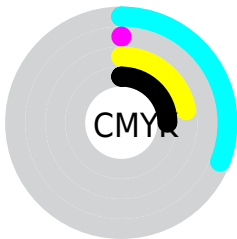
# Distribution



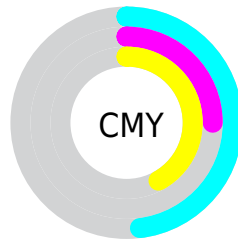
- Red (52%)
- Green (75%)
- Blue (58%)



- Red (52%)
- Yellow (70%)
- Blue (75%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7747, 0.2968, 0.3932 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 44.7747, 0.2968, 0.3932 by changing the saturation by 10% instead.




 44.7747, 0.2968,  
0.3932

 44.7747, 0.2968,  
0.3932


365.8603, 0.3055,  
0.3596


 31.2800, 0.2944,  
0.4021

 82.3822, 0.3001,  
0.3806

 20.8122, 0.2911,  
0.4139

 107.2638, 0.3013,  
0.3760

 12.9868, 0.2865,  
0.4301


 136.7099, 0.3023,  
0.3721

 7.4194, 0.2795,  
0.4538

171.1047, 0.3032,  
0.3688

 3.7258, 0.2677,  
0.4915

210.8328, 0.3039,  
0.3660

 1.5214, 0.2486,  
0.5815

256.2785, 0.3045,

 0.3037, 0.0000,

0.3636

1.0000

307.8262, 0.3050,  
0.3614

0.0000, 0.0000,  
0.0000

44.7747, 0.2968,  
0.3932

44.7747, 0.2968,  
0.3932

42.9536, 0.2924,  
0.4182

46.9364, 0.3017,  
0.3702

41.4500, 0.2888,  
0.4448

49.4493, 0.3069,  
0.3495

40.2468, 0.2863,  
0.4722


52.3303, 0.3121,  
0.3311


39.3229, 0.2851,  
0.4993


55.5936, 0.3172,  
0.3149

38.6541, 0.2855,  
0.5247


59.2527, 0.3222,  
0.3007

 38.2122, 0.2875,  
0.5473

 63.3205, 0.3270,  
0.2883

 37.9655, 0.2900,  
0.5640

 65.5721, 0.3226,  
0.2761

 66.1761, 0.3156,  
0.2673

# Harmonies

## Analogous

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



44.7747, 0.3421, 0.4115



44.7747, 0.2968, 0.3932



44.7747, 0.2576, 0.3532

# Triad

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



44.7747, 0.2968, 0.3932



44.7747, 0.2456, 0.2571



44.7747, 0.3984, 0.3399

# Complementary

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



44.7747, 0.2968, 0.3932



30.8198, 0.3337, 0.2725

# 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.



44.7747, 0.3687, 0.3042



44.7747, 0.2968, 0.3932



44.7747, 0.2790, 0.2582

# Square

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



44.7747, 0.2968, 0.3932



44.7747, 0.2298, 0.2740



44.7747, 0.3239, 0.2751



44.7747, 0.4027, 0.3757



# Rectangle

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



44.7747, 0.2968, 0.3932



44.7747, 0.2397, 0.3226



44.7747, 0.3239, 0.2751



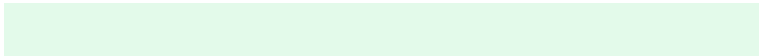
44.7747, 0.3910, 0.3276

# Sweetspot

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



44.7766, 0.2968, 0.3932



90.6340, 0.3079, 0.3455



48.5948, 0.3451, 0.4098



19.2874, 0.3072, 0.3483



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

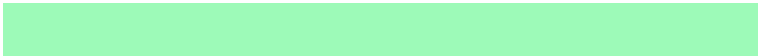


# Same Dimension

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



44.7766, 0.2968, 0.3932



78.9651, 0.2939, 0.4089



45.8208, 0.2773, 0.3490



11.3046, 0.3078, 0.3459



25.5606, 0.2894, 0.5618



1.1166, 0.2763, 0.5147



# Inverse Universe

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



30.8198, 0.3337, 0.2725



49.9352, 0.3392, 0.2609



29.7999, 0.3662, 0.3101



10.1973, 0.3180, 0.3126



8.7830, 0.4071, 0.2017



0.3908, 0.3837, 0.1887



# Previews

## White Background



This preview shows how the Yxy color 44.7747, 0.2968, 0.3932 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 44.7747, 0.2968, 0.3932 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 44.7747, 0.2968, 0.3932**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7747, 0.2968, 0.3932.



This preview shows how white text looks on a background with the Yxy color 44.7747, 0.2968, 0.3932.

# 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

44.7747, 0.2968, 0.3932

### Protanopia

44.2161, 0.3532, 0.3755

### Deuteranopia

44.2631, 0.3595, 0.3519



## Tritanopia

44.6188, 0.2689, 0.3082

# Trichromacy



**Original Color**

44.7747, 0.2968, 0.3932

**Protanomaly**

43.8251, 0.3302, 0.3809

**Deuteranomaly**

43.9722, 0.3340, 0.3658

**Tritanomaly**

44.7059, 0.2790, 0.3389

# Monochromacy



**Original Color**

44.7747, 0.2968, 0.3932

**Achromatopsia**

39.6755, 0.3127, 0.3290

**Achromatomaly**

41.1208, 0.3065, 0.3506

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7747, 0.2968, 0.3932 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(132, 192, 149)` looks like.

```
.text, #text, p{  
    color:rgb(132, 192, 149)  
}
```

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(132, 192, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 192, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7747, 0.2968, 0.3932 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(132, 192, 149) }
```

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

```
.border{ border-color:rgb(132, 192, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 192, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 192, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 192, 149);  
box-shadow:4px 4px 4px 4px rgb(132, 192,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7747, 0.2968, 0.3932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 192, 149) }
```

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

```
.background{ background-color: rgb(132,  
192, 149) }
```

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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