

# Converting Colors

$Yxy(44.7641, 0.3027, 0.3663)$

Have a look what the booklet for  
Yxy(44.7641, 0.3027, 0.3663)  
contains.

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# Color

**Yxy(44.6932, 0.3029, 0.3662)**

# Conversions

## Conversions Part 1

Format	Color
Hex	97BBA1
RGB	151, 187, 161
RGB Percent	59%, 73%, 63%
CMY	0.4077, 0.2667, 0.3687
CMYK	0.19, 0.00, 0.14, 0.27
HSL	137°, 21%, 66%
HSV	137°, 19%, 73%
XYZ	36.9677, 44.6932, 40.3850
YIQ	173.2720, -13.1100, -15.7180

# Conversions

## Conversions Part 2

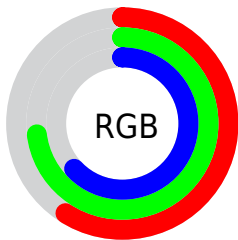
<b>Format</b>	<b>Color</b>
<b>RYB</b>	151, 179, 187
Decimal	9943969
CIELab	72.69, -17.31, 9.22
CIElCh	73, 19.606, 151.965
Yxy	44.6932, 0.3029, 0.3662
Android (android.graphics.Color)	4288134049 (0xFF97BBA1)
YUV	173.2720, -6.0501, -19.5325
Hunter-Lab	66.8530, -18.2875, 10.9808

# Details

The Yxy color **44.6932, 0.3029, 0.3662** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.8832, 0.3242, 0.2945**, and the grayscale version is **41.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1809, 0.3049, 0.3585**, and **20.8636, 0.3006, 0.3791** is the 20% darker color. If you saturate the color by 10%, you get **42.5934, 0.2980, 0.3889**, and if you desaturate by 10%, it is **47.1322, 0.3080, 0.3458**.

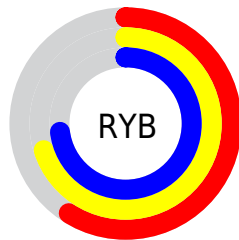
# Distribution



Red (59%)

Green (73%)

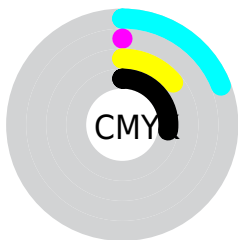
Blue (63%)



Red (59%)

Yellow (70%)

Blue (73%)

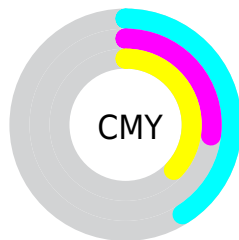


Cyan (19%)

Magenta (0%)

Yellow (14%)

Black (27%)



Cyan (41%)

Magenta (27%)


Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.6932, 0.3029, 0.3662 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 44.6932, 0.3029, 0.3662 by changing the saturation by 10% instead.





 44.6932, 0.3029,  
0.3662


 44.6932, 0.3029,  
0.3662


365.5296, 0.3081,  
0.3470

 31.2158, 0.3015,  
0.3712


 82.2598, 0.3048,  
0.3591

 20.7633, 0.2997,  
0.3777


 107.1179, 0.3056,  
0.3564

 12.9511, 0.2971,  
0.3867


136.5383, 0.3062,  
0.3542

 7.3949, 0.2934,  
0.3996

170.9055, 0.3067,  
0.3524

 3.7102, 0.2873,  
0.4199

210.6038, 0.3071,  
0.3507

 1.5128, 0.2761,  
0.4566

256.0177, 0.3075,

 0.2977, 0.0000,

0.3493

1.0000

307.5315, 0.3078,  
0.3481

0.0000, 0.0000,  
0.0000

44.6932, 0.3029,  
0.3662

44.6932, 0.3029,  
0.3662

42.5934, 0.2980,  
0.3889

47.1322, 0.3080,  
0.3458

40.8123, 0.2936,  
0.4137

49.9188, 0.3131,  
0.3277

39.3354, 0.2898,  
0.4402

53.0680, 0.3181,  
0.3118

38.1453, 0.2871,  
0.4677

56.5925, 0.3230,  
0.2979

37.2225, 0.2857,  
0.4951

60.5041, 0.3276,  
0.2858

■ 36.5451, 0.2857,  
0.5211

■ 63.2203, 0.3254,  
0.2741

■ 36.0875, 0.2874,  
0.5443

■ 64.0208, 0.3158,  
0.2624

■ 35.8048, 0.2901,  
0.5638

■ 35.7862, 0.2903,  
0.5651

# Harmonies

## Analogous

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



44.6932, 0.3308, 0.3779



44.6932, 0.3029, 0.3662



44.6932, 0.2785, 0.3431

# Triad

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



44.6932, 0.3029, 0.3662



44.6932, 0.2715, 0.2842



44.6932, 0.3646, 0.3376

# Complementary

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



44.6932, 0.3029, 0.3662



35.8832, 0.3242, 0.2945

# 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.



44.6932, 0.3474, 0.3146



44.6932, 0.3029, 0.3662



44.6932, 0.2931, 0.2846

# Square

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



44.6932, 0.3029, 0.3662



44.6932, 0.2609, 0.2954



44.6932, 0.3208, 0.2956



44.6932, 0.3672, 0.3597



# Rectangle

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



44.6932, 0.3029, 0.3662



44.6932, 0.2671, 0.3253



44.6932, 0.3208, 0.2956



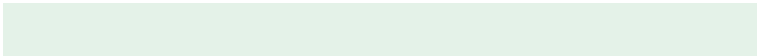
44.6932, 0.3603, 0.3298

# Sweetspot

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



44.6951, 0.3029, 0.3662



85.9117, 0.3096, 0.3399



47.1711, 0.3328, 0.3775



18.8493, 0.3093, 0.3411



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

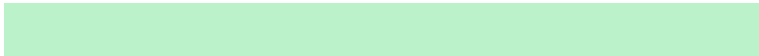


# Same Dimension

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



44.6951, 0.3029, 0.3662



78.4207, 0.3008, 0.3753



45.3615, 0.2901, 0.3407



10.6918, 0.3079, 0.3460



24.6677, 0.2897, 0.5631



0.9778, 0.2757, 0.5125



# Inverse Universe

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



35.8832, 0.3242, 0.2945



59.8013, 0.3271, 0.2868



35.2247, 0.3414, 0.3177



9.6500, 0.3179, 0.3125



8.5027, 0.4047, 0.2003



0.3436, 0.3804, 0.1869



# Previews

## White Background



This preview shows how the Yxy color 44.6932, 0.3029, 0.3662 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

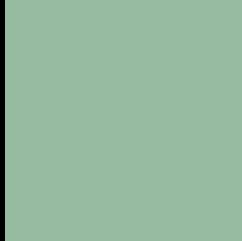
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.6932, 0.3029, 0.3662 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

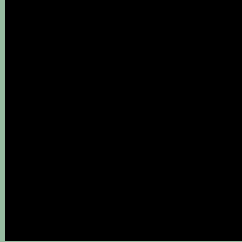
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 44.6932, 0.3029, 0.3662**

## Background



This preview shows how black text looks on a background with the Yxy color 44.6932, 0.3029, 0.3662.



This preview shows how white text looks on a background with the Yxy color 44.6932, 0.3029, 0.3662.

# 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

44.6932, 0.3029, 0.3662

### Protanopia

44.2837, 0.3384, 0.3570

### Deuteranopia

44.4647, 0.3454, 0.3393



## Tritanopia

44.6095, 0.2821, 0.3100

# Trichromacy



**Original Color**

44.6932, 0.3029, 0.3662

**Protanomaly**

44.4006, 0.3242, 0.3606

**Deuteranomaly**

44.0337, 0.3288, 0.3478

**Tritanomaly**

44.6684, 0.2899, 0.3303

# Monochromacy



**Original Color**

44.6932, 0.3029, 0.3662

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

42.7047, 0.3087, 0.3415

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.6932, 0.3029, 0.3662 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(151, 187, 161)` looks like.

```
.text, #text, p{  
    color:rgb(151, 187, 161)  
}
```

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(151, 187, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 187, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 44.6932, 0.3029, 0.3662 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(151, 187, 161) }
```

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

```
.border{ border-color:rgb(151, 187, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 187, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 187, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 187, 161);  
box-shadow:4px 4px 4px 4px rgb(151, 187,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.6932, 0.3029, 0.3662 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 187, 161) }
```

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

```
.background{ background-color: rgb(151,  
187, 161) }
```

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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