

# Converting Colors

$Yxy(44.7655, 0.3019, 0.3708)$

Have a look what the booklet for  
Yxy(44.7655, 0.3019, 0.3708)  
contains.

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# Color

**Yxy(44.7655, 0.3019, 0.3708)**

# Conversions

## Conversions Part 1

Format	Color
Hex	94BC9F
RGB	148, 188, 159
RGB Percent	58%, 74%, 62%
CMY	0.4198, 0.2627, 0.3765
CMYK	0.21, 0.00, 0.15, 0.26
HSL	137°, 23%, 66%
HSV	137°, 21%, 74%
XYZ	36.4474, 44.7655, 39.5139
YIQ	172.7340, -14.5310, -17.4990

# Conversions

## Conversions Part 2

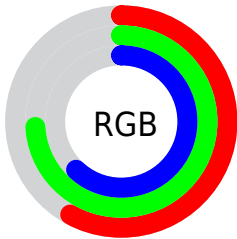
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">148, 179, 188</a>
Decimal	<a href="#">9747615</a>
CIELab	<a href="#">72.74, -19.23, 10.34</a>
CIELCh	<a href="#">73, 21.835, 151.740</a>
Yxy	<a href="#">44.7655, 0.3019, 0.3708</a>
Android (android.graphics.Color)	<a href="#">4287937695 (0xFF94BC9F)</a>
YUV	<a href="#">172.7340, -6.7709, -21.6917</a>
Hunter-Lab	<a href="#">66.9070, -19.8499, 11.8195</a>

# Details

The Yxy color **44.7655, 0.3019, 0.3708** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **35.0343, 0.3256, 0.2906**, and the grayscale version is **41.6840, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2529, 0.3042, 0.3620**, and **20.9520, 0.2984, 0.3836** is the 20% darker color. If you saturate the color by 10%, you get **42.7075, 0.2971, 0.3940**, and if you desaturate by 10%, it is **47.1641, 0.3069, 0.3499**.

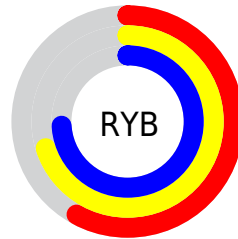
# Distribution



Red (58%)

Green (74%)

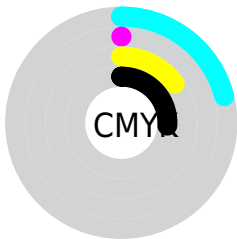
Blue (62%)



Red (58%)

Yellow (70%)

Blue (74%)

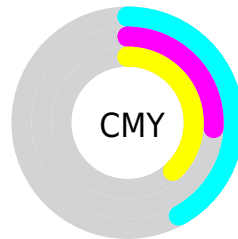


Cyan (21%)

Magenta (0%)

Yellow (15%)

Black (26%)



Cyan (42%)

Magenta (26%)


Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7655, 0.3019, 0.3708 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 44.7655, 0.3019, 0.3708 by changing the saturation by 10% instead.




 44.7655, 0.3019,  
0.3708

 44.7655, 0.3019,  
0.3708

365.8230, 0.3076,  
0.3492

 31.2728, 0.3004,  
0.3764


 82.3684, 0.3041,  
0.3628

 20.8066, 0.2983,  
0.3839


 107.2474, 0.3049,  
0.3598

 12.9827, 0.2955,  
0.3940


136.6905, 0.3055,  
0.3573

 7.4167, 0.2912,  
0.4087

171.0823, 0.3061,  
0.3552

 3.7240, 0.2843,  
0.4318

210.8070, 0.3065,  
0.3534

 1.5204, 0.2719,  
0.4745

256.2491, 0.3070,

 0.3030, 0.0000,

0.3518

1.0000

307.7930, 0.3073,  
0.3504

0.0000, 0.0000,  
0.0000

44.7655, 0.3019,  
0.3708

44.7655, 0.3019,  
0.3708

42.7075, 0.2971,  
0.3940

47.1641, 0.3069,  
0.3499

40.9691, 0.2928,  
0.4193

49.9122, 0.3121,  
0.3313

39.5356, 0.2892,  
0.4461

53.0251, 0.3171,  
0.3149

38.3887, 0.2868,  
0.4737

56.5157, 0.3219,  
0.3005

37.5083, 0.2856,  
0.5010

60.3962, 0.3266,  
0.2880

■ 36.8716, 0.2861,  
0.5265

■ 63.5678, 0.3264,  
0.2764

■ 36.4514, 0.2880,  
0.5490

■ 64.4116, 0.3163,  
0.2640

■ 36.2182, 0.2904,  
0.5655

■ 64.4524, 0.3158,  
0.2634

# Harmonies

## Analogous

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



44.7655, 0.3329, 0.3837



44.7655, 0.3019, 0.3708



44.7655, 0.2748, 0.3448

# Triad

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



44.7655, 0.3019, 0.3708



44.7655, 0.2669, 0.2793



44.7655, 0.3705, 0.3381

# Complementary

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



44.7655, 0.3019, 0.3708



35.0343, 0.3256, 0.2906

# 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.



44.7655, 0.3511, 0.3128



44.7655, 0.3019, 0.3708



44.7655, 0.2906, 0.2798

# Square

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



44.7655, 0.3019, 0.3708



44.7655, 0.2553, 0.2917



44.7655, 0.3214, 0.2919



44.7655, 0.3734, 0.3627



# Rectangle

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



44.7655, 0.3019, 0.3708



44.7655, 0.2622, 0.3249



44.7655, 0.3214, 0.2919



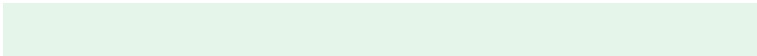
44.7655, 0.3657, 0.3295

# Sweetspot

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



44.7674, 0.3019, 0.3708



87.9749, 0.3096, 0.3399



47.4956, 0.3349, 0.3830



18.8491, 0.3093, 0.3411



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

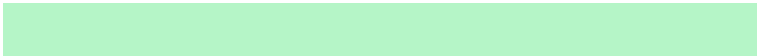


# Same Dimension

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



44.7674, 0.3019, 0.3708



79.1344, 0.2994, 0.3824



45.5059, 0.2878, 0.3421



10.6916, 0.3079, 0.3461



24.6661, 0.2898, 0.5634



0.9777, 0.2758, 0.5129



# Inverse Universe

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



35.0343, 0.3256, 0.2906



58.0475, 0.3294, 0.2810



34.3053, 0.3453, 0.3164



9.6502, 0.3178, 0.3125



8.5073, 0.4042, 0.2001



0.3437, 0.3801, 0.1867



# Previews

## White Background



This preview shows how the Yxy color 44.7655, 0.3019, 0.3708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

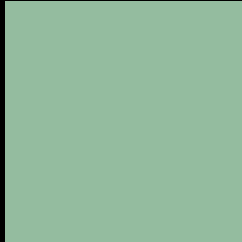
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 44.7655, 0.3019, 0.3708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

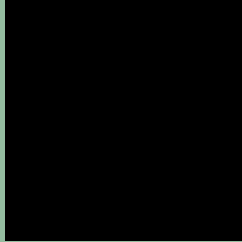
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

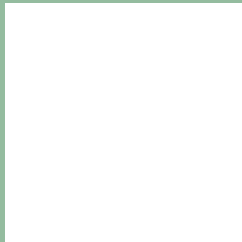
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 44.7655, 0.3019, 0.3708**

## Background



This preview shows how black text looks on a background with the Yxy color 44.7655, 0.3019, 0.3708.



This preview shows how white text looks on a background with the Yxy color 44.7655, 0.3019, 0.3708.

# 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

44.7655, 0.3019, 0.3708

### Protanopia

44.3422, 0.3410, 0.3596

### Deuteranopia

44.5312, 0.3482, 0.3418



## Tritanopia

44.8668, 0.2800, 0.3100

# Trichromacy



**Original Color**

44.7655, 0.3019, 0.3708

**Protanomaly**

44.3323, 0.3259, 0.3634

**Deuteranomaly**

44.3591, 0.3303, 0.3518

**Tritanomaly**

44.7922, 0.2877, 0.3317

# Monochromacy



**Original Color**

44.7655, 0.3019, 0.3708

**Achromatopsia**

41.7885, 0.3127, 0.3290

**Achromatomaly**

42.5605, 0.3086, 0.3430

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 44.7655, 0.3019, 0.3708 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, 188, 159)` looks like.

```
.text, #text, p{  
    color:rgb(148, 188, 159)  
}
```

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, 188, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 188, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 44.7655, 0.3019, 0.3708 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, 188, 159) }
```

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

```
.border{ border-color:rgb(148, 188, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 188, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 188, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 188, 159);  
box-shadow:4px 4px 4px 4px rgb(148, 188,  
159) }
```



# Background

The CSS property to change the background color of an element to Yxy 44.7655, 0.3019, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 188, 159) }
```

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

```
.background{ background-color: rgb(148,  
188, 159) }
```

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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