

# Converting Colors

$Y_{xy}(46.9948, 0.2901, 0.3394)$

Have a look what the booklet for  
Yxy(46.9948, 0.2901, 0.3394)  
contains.

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# Color

**Yxy(47.0743, 0.2902, 0.3399)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9ABEB6
RGB	154, 190, 182
RGB Percent	60%, 75%, 71%
CMY	0.3959, 0.2549, 0.2862
CMYK	0.19, 0.00, 0.04, 0.25
HSL	167°, 22%, 67%
HSV	167°, 19%, 75%
XYZ	40.1911, 47.0743, 51.2291
YIQ	178.3240, -18.8880, -10.1200

# Conversions

## Conversions Part 2

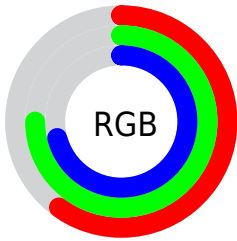
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 174, 190
Decimal	10141366
CIELab	74.24, -13.66, 0.03
CIELCh	74, 13.664, 179.886
Yxy	47.0743, 0.2902, 0.3399
Android (android.graphics.Color)	4288331446 (0xFF9ABEB6)
YUV	178.3240, 1.8123, -21.3321
Hunter-Lab	68.6107, -15.5061, 3.7578

# Details

The Yxy color **47.0743, 0.2902, 0.3399** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.6839, 0.3413, 0.3184**, and the grayscale version is **44.7049, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.6399, 0.2943, 0.3374**, and **22.3011, 0.2838, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **45.1846, 0.2793, 0.3464**, and if you desaturate by 10%, it is **49.2683, 0.3019, 0.3339**.

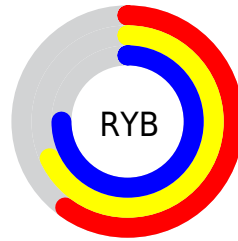
# Distribution



Red (60%)

Green (75%)

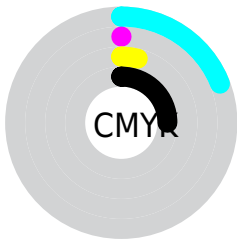
Blue (71%)



Red (60%)

Yellow (68%)

Blue (75%)

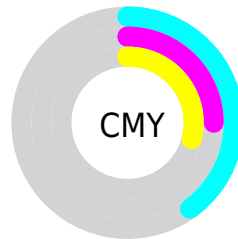


Cyan (19%)

Magenta (0%)

Yellow (4%)

Black (25%)



Cyan (40%)

Magenta (25%)


Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.0743, 0.2902, 0.3399 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 47.0743, 0.2902, 0.3399 by changing the saturation by 10% instead.





 47.0743, 0.2902,  
0.3399


 47.0743, 0.2902,  
0.3399


375.1110, 0.3014,  
0.3345

 33.0944, 0.2874,  
0.3413


 85.8245, 0.2943,  
0.3379

 22.1988, 0.2838,  
0.3430


 111.3636, 0.2958,  
0.3372

 14.0030, 0.2791,  
0.3453


141.5246, 0.2971,  
0.3366

 8.1228, 0.2724,  
0.3485

176.6918, 0.2982,  
0.3360

 4.1736, 0.2625,  
0.3533

217.2496, 0.2992,  
0.3356

 1.7711, 0.2462,  
0.3612

263.5825, 0.3000,

 0.4691, 0.1030,

0.3352

0.4303

316.0749, 0.3008,  
0.3348

0.0000, 0.0000,  
0.0000

47.0743, 0.2902,  
0.3399

47.0743, 0.2902,  
0.3399

45.1846, 0.2793,  
0.3464

49.2683, 0.3019,  
0.3339

43.5794, 0.2695,  
0.3535

51.7736, 0.3141,  
0.3284

42.2456, 0.2609,  
0.3609

54.6045, 0.3265,  
0.3235

41.1669, 0.2540,  
0.3687

57.7725, 0.3390,  
0.3192

40.3251, 0.2489,  
0.3768

61.2885, 0.3513,  
0.3153

■ 39.6996, 0.2458,  
0.3849

■ 62.6042, 0.3528,  
0.3112

■ 39.2661, 0.2445,  
0.3931

■ 62.8138, 0.3493,  
0.3070

■ 38.9830, 0.2449,  
0.4011

■ 63.0289, 0.3459,  
0.3027

■ 38.9553, 0.2450,  
0.4020

■ 63.2496, 0.3425,  
0.2985

# Harmonies

## Analogous

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



47.0743, 0.3075, 0.3549



47.0743, 0.2902, 0.3399



47.0743, 0.2790, 0.3221

# Triad

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



47.0743, 0.2902, 0.3399



47.0743, 0.2982, 0.2978



47.0743, 0.3501, 0.3496

# Complementary

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



47.0743, 0.2902, 0.3399



36.6839, 0.3413, 0.3184

# 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.



47.0743, 0.3476, 0.3342



47.0743, 0.2902, 0.3399



47.0743, 0.3171, 0.3050

# Square

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



47.0743, 0.2902, 0.3399



47.0743, 0.2835, 0.2983



47.0743, 0.3353, 0.3181



47.0743, 0.3423, 0.3601



# Rectangle

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



47.0743, 0.2902, 0.3399



47.0743, 0.2764, 0.3115



47.0743, 0.3353, 0.3181



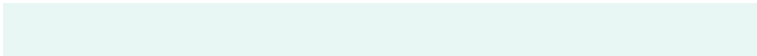
47.0743, 0.3505, 0.3448

# Sweetspot

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



47.0763, 0.2902, 0.3399



90.5119, 0.3053, 0.3323



46.8854, 0.3172, 0.3790



19.8118, 0.3045, 0.3327



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

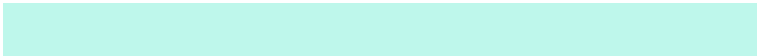


# Same Dimension

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



47.0763, 0.2902, 0.3399



83.7240, 0.2852, 0.3428



43.3997, 0.2840, 0.3157



10.7723, 0.3014, 0.3341



25.9177, 0.2447, 0.4009



1.0243, 0.2393, 0.3816



# Inverse Universe

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



36.6839, 0.3413, 0.3184



61.1803, 0.3498, 0.3158



39.7014, 0.3469, 0.3419



9.5701, 0.3254, 0.3239



7.4012, 0.5987, 0.3072



0.3000, 0.5307, 0.2697



# Previews

## White Background



This preview shows how the Yxy color 47.0743, 0.2902, 0.3399 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

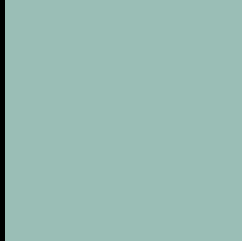
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.0743, 0.2902, 0.3399 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

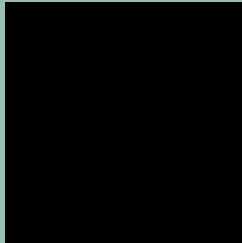
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.0743, 0.2902, 0.3399**

## Background



This preview shows how black text looks on a background with the Yxy color 47.0743, 0.2902, 0.3399.



This preview shows how white text looks on a background with the Yxy color 47.0743, 0.2902, 0.3399.

# 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

47.0743, 0.2902, 0.3399

### Protanopia

46.6612, 0.3202, 0.3342

### Deuteranopia

46.5592, 0.3247, 0.3178



## Tritanopia

47.0740, 0.2792, 0.3090

# Trichromacy



## Original Color

47.0743, 0.2902, 0.3399

## Protanomaly

46.5343, 0.3082, 0.3356

## Deuteranomaly

46.4535, 0.3112, 0.3251

## Tritanomaly

47.0747, 0.2833, 0.3195

# Monochromacy



## Original Color

47.0743, 0.2902, 0.3399

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

45.1456, 0.3041, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.0743, 0.2902, 0.3399 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(154, 190, 182)` looks like.

```
.text, #text, p{  
    color:rgb(154, 190, 182)  
}
```

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(154, 190, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 190, 182) }
```

## Border

The CSS property to change the border of an element to Yxy 47.0743, 0.2902, 0.3399 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(154, 190, 182) }
```

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

```
.border{ border-color:rgb(154, 190, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 190, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 190, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 190, 182);  
box-shadow:4px 4px 4px 4px rgb(154, 190,  
182) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.0743, 0.2902, 0.3399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 190, 182) }
```

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

```
.background{ background-color: rgb(154,  
190, 182) }
```

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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