

# Converting Colors

Yxy(46.5873, 0.2865, 0.3162)

Have a look what the booklet for  
Yxy(46.5873, 0.2865, 0.3162)  
contains.

<b>Yxy(46.7393, 0.2869, 0.3169)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(46.7393, 0.2869, 0.3169)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	A2BAC3
RGB	162, 186, 195
RGB Percent	64%, 73%, 76%
CMY	0.3646, 0.2706, 0.2352
CMYK	0.17, 0.05, 0.00, 0.24
HSL	196°, 22%, 70%
HSV	196°, 17%, 76%
XYZ	42.3146, 46.7393, 58.4352
YIQ	179.8500, -17.1930, -2.2890

# Conversions

## Conversions Part 2

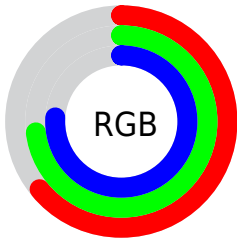
Format	Color
<b>RYB</b>	162, 176, 195
Decimal	10664643
CIELab	74.02, -6.24, -7.32
CIELCh	74, 9.619, 229.539
Yxy	46.7393, 0.2869, 0.3169
Android (android.graphics.Color)	4288854723 (0xFFA2BAC3)
YUV	179.8500, 7.4690, -15.6544
Hunter-Lab	68.3661, -9.1597, -2.8212

# Details

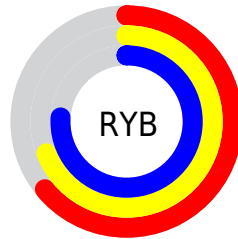
The Yxy color **46.7393, 0.2869, 0.3169** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.3596, 0.3427, 0.3408**, and the grayscale version is **45.5267, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.2843, 0.2912, 0.3186**, and **22.0131, 0.2802, 0.3142** is the 20% darker color. If you saturate the color by 10%, you get **42.6482, 0.2719, 0.3088**, and if you desaturate by 10%, it is **51.2349, 0.3021, 0.3243**.

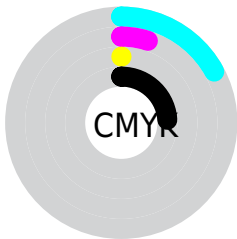
# Distribution



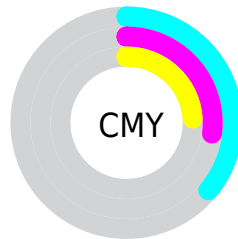
- Red (64%)
- Green (73%)
- Blue (76%)



- Red (64%)
- Yellow (69%)
- Blue (76%)



- Cyan (17%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)



- Cyan (36%)
- Magenta (27%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 46.7393, 0.2869, 0.3169 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 46.7393, 0.2869, 0.3169 by changing the saturation by 10% instead.





 46.7393, 0.2869,  
0.3169


 46.7393, 0.2869,  
0.3169


373.7730, 0.2997,  
0.3231

 32.8296, 0.2837,  
0.3153


 85.3243, 0.2915,  
0.3192

 21.9959, 0.2797,  
0.3133


 110.7685, 0.2933,  
0.3200

 13.8539, 0.2743,  
0.3106


140.8263, 0.2948,  
0.3207

 8.0191, 0.2669,  
0.3067

175.8820, 0.2960,  
0.3213

 4.1072, 0.2560,  
0.3008

216.3202, 0.2971,  
0.3218

 1.7337, 0.2383,  
0.2908

262.5251, 0.2981,

 0.4453, 0.1581,

0.3223

0.2599

314.8812, 0.2989,  
0.3227

0.0000, 0.0000,  
0.0000

46.7393, 0.2869,  
0.3169

46.7393, 0.2869,  
0.3169

42.6482, 0.2719,  
0.3088

51.2349, 0.3021,  
0.3243

38.9405, 0.2575,  
0.3001

56.1438, 0.3174,  
0.3310

35.6014, 0.2441,  
0.2908

61.4816, 0.3324,  
0.3370

32.6129, 0.2319,  
0.2811

67.2613, 0.3471,  
0.3423

29.9551, 0.2212,  
0.2710

72.6251, 0.3577,  
0.3472

■ 27.6057, 0.2124,  
0.2607

■ 75.3480, 0.3564,  
0.3526

■ 25.5388, 0.2055,  
0.2505

■ 78.1599, 0.3552,  
0.3579

■ 23.7196, 0.2006,  
0.2403

■ 81.0618, 0.3540,  
0.3632

■ 23.1901, 0.1992,  
0.2372

■ 84.0544, 0.3528,  
0.3683

# Harmonies

## Analogous

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



46.7393, 0.2909, 0.3286



46.7393, 0.2869, 0.3169



46.7393, 0.2896, 0.3088

# Triad

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



46.7393, 0.2869, 0.3169



46.7393, 0.3246, 0.3177



46.7393, 0.3269, 0.3526

# Complementary

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



46.7393, 0.2869, 0.3169



43.3596, 0.3427, 0.3408

# 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.



46.7393, 0.3363, 0.3490



46.7393, 0.2869, 0.3169



46.7393, 0.3350, 0.3288

# Square

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



46.7393, 0.2869, 0.3169



46.7393, 0.3112, 0.3095



46.7393, 0.3393, 0.3402



46.7393, 0.3138, 0.3496



# Rectangle

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



46.7393, 0.2869, 0.3169



46.7393, 0.2949, 0.3065



46.7393, 0.3393, 0.3402



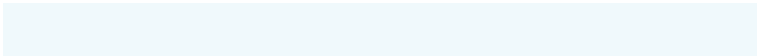
46.7393, 0.3306, 0.3521

# Sweetspot

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



46.7412, 0.2869, 0.3169



93.3014, 0.3050, 0.3256



49.6586, 0.3043, 0.3618



20.2983, 0.3039, 0.3251



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

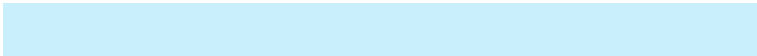


# Same Dimension

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



46.7412, 0.2869, 0.3169



81.1289, 0.2818, 0.3142



40.2704, 0.2859, 0.2946



10.9474, 0.2984, 0.3226



15.2141, 0.1996, 0.2386



0.7673, 0.2059, 0.2611



# Inverse Universe

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



40.9987, 0.3226, 0.2985



69.2125, 0.3249, 0.2922



49.8932, 0.3394, 0.3612



10.1990, 0.3178, 0.3124



8.8181, 0.4037, 0.1998



0.3921, 0.3813, 0.1874



# Previews

## White Background



This preview shows how the Yxy color 46.7393, 0.2869, 0.3169 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

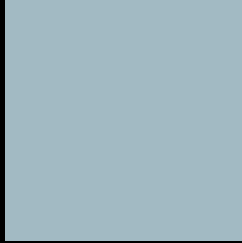
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 46.7393, 0.2869, 0.3169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

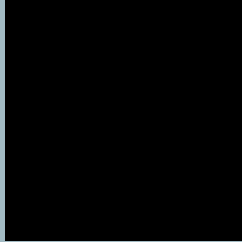
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

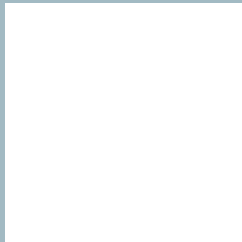
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 46.7393, 0.2869, 0.3169**

## **Background**



This preview shows how black text looks on a background with the Yxy color 46.7393, 0.2869, 0.3169.



This preview shows how white text looks on a background with the Yxy color 46.7393, 0.2869, 0.3169.

# 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

46.7393, 0.2869, 0.3169

### Protanopia

46.7986, 0.3050, 0.3148

### Deuteranopia

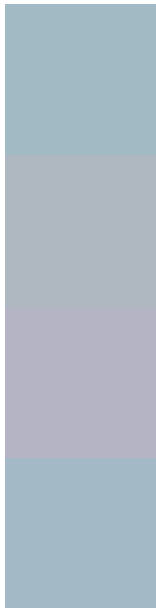
46.6820, 0.3096, 0.3040



## Tritanopia

46.6546, 0.2841, 0.3091

# Trichromacy



## Original Color

46.7393, 0.2869, 0.3169

## Protanomaly

46.8312, 0.2984, 0.3159

## Deuteranomaly

46.4518, 0.3011, 0.3085

## Tritanomaly

46.5617, 0.2855, 0.3117

# Monochromacy



## Original Color

46.7393, 0.2869, 0.3169

## Achromatopsia

45.6411, 0.3127, 0.3290

## Achromatomaly

45.8429, 0.3028, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 46.7393, 0.2869, 0.3169 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(162, 186, 195)` looks like.

```
.text, #text, p{  
    color:rgb(162, 186, 195)  
}
```

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(162, 186, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 186, 195) }
```

## Border

The CSS property to change the border of an element to Yxy 46.7393, 0.2869, 0.3169 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(162, 186, 195) }
```

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

```
.border{ border-color:rgb(162, 186, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 186, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 186, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 186, 195);  
box-shadow:4px 4px 4px 4px rgb(162, 186,  
195) }
```



# Background

The CSS property to change the background color of an element to Yxy 46.7393, 0.2869, 0.3169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 186, 195) }
```

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

```
.background{ background-color: rgb(162,  
186, 195) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor